Athena Y. Chang

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EDUCATION

Stanford University **Stanford, CA**
M.S. in Mechanical Engineering | GPA: 4.0/4.0 *Mar 2022 – Jun 2024*
B.S. in Mechanical Engineering | GPA: 3.9/4.0 *Sep 2019 – Jun 2024*

- **Skills:** Python, Java, C/C++, R, Jupyter, Git, MATLAB, SolidWorks, Fusion 360, Autodesk Inventor, ANSYS, LaTeX, Excel, PowerPoint

WORK EXPERIENCE

JPMorgan Chase & Co. **New York, NY**
Innovation Development Summer Analyst *Jun 2022 – Aug 2022*

- Examined client database and marketing collateral strategy to shape delivery model for business-to-consumer (B2C) payments
- Dissected external data to estimate total market, i.e. B2C revenue, volume, value projections, use case / industry segmentation
- Synthesized key learnings to determine JPMorgan's competitive position within B2C market, developed future solution roadmap

Collaborative Haptics and Robotics in Medicine (CHARM) Lab, Stanford Department of Mechanical Engineering **Stanford, CA**
Researcher, Stroke Rehabilitation Glove Project *Sep 2021 – Mar 2022*

- Performed weekly studies to evaluate wearable stimulation devices for arm and hand rehabilitation for 5 stroke victims
- Studied 3D motion-capture plots with MATLAB to measure arm function / compare haptic devices; analyzed product strategy
- Modeled/manufactured passive exoskeletons and haptic sleeves using CAD to simulate stroking sensations on users' forearms

Microsoft **Redmond, WA**
Technical Program Manager Intern *Jun 2021 – Sep 2021*

- Evaluated 8000+ parts in bills of materials to quantify masses and compute carbon emissions in all cloud datacenter hardware
- Leveraged closed-loop materials methodology to research primary production and end-of-life routes for recovery in aluminum
- Developed framework for carbon accounting in global supply chain to improve accuracy of Microsoft Sustainability Calculator

FATHOM5 **Austin, TX**
Product Manager Intern *Feb 2021 – May 2021*

- Identified product needs for cyberphysical testbeds, scoped requirements, partnered with engineer teams to develop roadmap
- Built 5 resource allocation and business development trackers and analyzed monthly finances to streamline company operations
- Outlined IT/OT prototyping platforms, prepared written grants for $2-10M DoD and civilian contracts in maritime cybersecurity

Lawrence Livermore National Laboratory **Livermore, CA**
High-Energy-Density Physics Research Intern *Jun 2020 – Dec 2020*

- Analyzed 1000+ nuclear test films to build post-detonation fireball physics models and determine bomb energy yields
- Corrected shockwave data errors from original films that were off by 5-10% to predict performance of modern warheads
- Shared research with U.S. Nuclear Weapons Complex to ensure that existing nuclear arsenals remain safe, reliable, and secure

AFWERX, U.S. Air Force **Washington, D.C.**
Program Manager Intern *Jul 2020 – Sep 2020*

- Acted as second-in-command, supervised 80+ Air Force interns in commercializing urban air mobility technology by 2023
- Drove negotiation efforts with 10+ flight transportation companies for partnership with Air Force ecosystems and contracts

LEADERSHIP EXPERIENCE

Air Force Reserve Officer Training Corps (ROTC), Detachment 045 **San Jose, CA**
Cadet Wing Commander *Aug 2019 – Present*

- Serve as highest-ranked cadet in entire wing (70 cadets), coordinate all cadet functions for rigorous military & leadership training
- Create master training Operations Plan in accordance with ROTC directives and requirements, monitor whole wing performance
- Commit 20+ hrs/week to off-campus military/physical training and Air Force aerospace classes while maintaining full course load

Stanford Women in Business **Stanford, CA**
Vice President, Business Leadership *Sep 2019 – June 2022*

- Managed 15 interns to coordinate 2-day Young Women's Leadership Summit for 250+ underserved & minority high school girls
- Directed Executive Leadership Series and Tech Week events for 100+ attendees, promoting female role-models across industries

AWARDS

- **Mayfield Fellow (2023):** 1 of 12 students selected for a 9-month work-study program in tech and entrepreneurial leadership
- **Air Force Association Award (2022):** #1 ranked cadet in Air Force ROTC class; chosen for leadership, character, officer potential
- **AMAC Foundation Scholar (2021):** Tuition scholarship awarded for supporting STEM / aviation careers in minorities and women
- **Air Force ROTC 4-Year Scholarship (2019):** Full-tuition college scholarship & stipend awarded for leadership, academics, service

MIKAYLA CHEN

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EDUCATION

Stanford University, *Stanford, CA* **GPA: 3.9/4.0** *Expected Graduation: June 2024*

- Bachelor of Science Candidate for Individually Designed Major in Management Science and Data Analytics
- 2023 Mayfield Fellow: One of 12 students selected for program in technology venture leadership

PROFESSIONAL EXPERIENCE

One Equity Partners, *Private Equity Intern* *July 2022 - August 2022*

- **Created 25+ page deal-sourcing reports** focusing on technological and industrial B2B sectors and **pitched investment propositions to entire firm**, including all seniors partners and President, every week
- Attended board meetings of portfolio companies, gaining insight into the inner workings of how the firm manages their companies in order to grow profits

XRC Labs, *Accelerator Coordinator* *June 2022 - September 2022*

- **Developed and implemented different phases of accelerator strategy** by analyzing the program's stakeholders' feedback and identifying areas of improvement to better engage founders, mentors, and alumni and support the community's needs

Stop AAPI Hate, *Research Intern* *June 2021 - August 2021*

- **Synthesized ~1,300 cases** of Anti-Asian racism and wrote about contemporary Sino-American relations and their effect on Anti-Asian sentiment in the U.S. for the **Stop AAPI Hate National Report**

lululemon, *Sales Associate* *September 2019 - August 2020; June 2021 - September 2021*

- Educated customers on lululemon products and organized merchandising and inventory, **leading to improvements in team sales, conversion rate, and UPT**
- **Initiated collaboration** with manager to lead a discussion on body inclusivity for other associates in the organization

Hydrow, *Marketing and Public Relations Intern* *May 2019 - August 2019*

- **Planned and executed all details of an inaugural rowing event** with 100 attendees, including managing the budget, liaising with venue and event partners, overseeing registration, and organizing boat assignments

VocaliD, *Marketing and Business Development Intern* *June 2018 - August 2018*

- **Conducted market analysis and competitive research** of B2B technologies and pitched findings to senior leadership

PROJECTS

Research for Stanford Sociology Department *May 2021 - September 2021*

- **Categorized and analyzed ~3,800 rallies** in major U.S. cities and worked with professor to continually increase research scope for professor's published "Does Protest Against Police Violence Matter?" paper

Service-Learning Group Project for CSRE 142C *September 2020 - November 2020*

- **Co-wrote a 34-page report providing strategic recommendations** to create a new, improved iteration of the Global Network for Youth Action and supported the network's transition from Generation Citizen to John Hopkins' Agora Institute
- **Gathered and analyzed post-conference data** from attendees of the Cultivating Youth Activism conference and **presented findings and recommendations** to the CEO

ACTIVITIES AND LEADERSHIP

Stanford Division I Lightweight Rowing Team, *Athlete* *September 2020 – present*

- **Commit approximately 20 hours/week during the school year** to practice and training sessions while managing demanding academic and extracurricular schedule
- **Elected by the coaches as the team's sole C-House Representative to represent the team on student-athlete topics and advocate concerns** to the Director of Athletics and his executive staff at Student-Athlete Advisory Committee Forums
- Finished 2nd (2021) and 3rd (2022) at IRA National Championship
- Awarded IRA All-Academic and CRCA National Scholar-Athlete for the 2021-2022 season

Stanford Fellowship of Christian Athletes, *Co-President* *September 2020 – present*

- **Co-leading the organization of 100+ members** through establishing a new mission and vision, managing the 15-person leadership team, and organizing the main weekly event

Stanford FashionX, *Financial Officer* *September 2022 – present*

- **Managing the student organization's $12,000 budget** for 2022-2023 events, such as the quarterly all-campus flea market/clothing swaps and the first Stanford student-produced runway show, and securing additional funding sources

Stanford Pi Beta Phi, *Director of Finance* *December 2021 – December 2022*

- Maintained the organization's finances through invoicing all 135 members, creating financial aid plans, and preparing all chapter checks

SKILLS AND INTERESTS

Technical: R, Figma, Excel, Python, Wall Street Prep, Pitchbook, CapitaliQ
Interests: Settlers of Catan, gap years, fashion

Aaron Choi

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EDUCATION

Overall GPA 3.98

Stanford University – Stanford School of Engineering — **Palo Alto, CA**

Bachelor of Science – Bioengineering — *Class of 2023*

Masters of Science – Management Science and Engineering — *Expected 2024*

Mayfield Fellow 2023 – 1 of 12 undergraduate students selected for a program in technology venture leadership.

EXPERIENCE

Co-Lead Undergraduate Researcher – Stanford School of Medicine, Plastic and Reconstructive Surgery *March 2022 – Present*

Mechanical Engineering and Wetlab Research

- I am working with Developmental Biologist Dr. Charles Chan, and plastic surgeon Dr. Max Silverstein, and Noah Gordon, BA to manipulate skeletal stem cell differentiation into cartilage. More specifically, developing a 3D bioprinting surgical robot to develop a surgical procedure involving cartilage regeneration to address craniofacial defects from birth deformities or trauma.
- Producing clinically relevant results as a harbinger of less invasive approaches to craniofacial modification.
- Developed 50+ mechanical parts to create various assemblies for the surgical robot.
- Presented research at the annual Stem Cell Biology and Regenerative Medicine retreat 2022.

Stanford 2021 IGEM Team – Silver Medal at the Paris Competition *March 2021 – November 2021*

Project Management and Wet lab Research

- Analyzed 100+ articles for literature reviews, drafted notes, brainstorms, as well as presentations during ideation.
- Delegated tasks amongst 8 individuals to streamline decision making processes and wet lab research protocols.
- Conducted 50+ interviews with medical professionals for guidance and brainstorms.

Stanford SynBio Ideathon Grand Prize Winner *March 2021 – April 2021*

Competition Participant

- Developed a new data modality for quantifying Multiple Sclerosis disease progression using transcriptomic data.
- Presented findings to the leadership team at Octave Biosciences and received a $3000 grant to initialize idea.

Prostemics *June 2020 – Aug 2020*

Bioengineering Lab Intern

- Conducting and studying various cell-engineering-related techniques, also studying applications of exosome therapy.
- Cell Viability experiment with HDF & HaCaT cells, Cell Subculture Protocols, Hemocytometer Cell Counting, MTT Assay for Cell Proliferation, Western Blot, RNA Purification, cDNA synthesis, RT-PCR, DPPH assay and PCR.
- Aided in translation for turning Korean medical research papers into English. (Cannot elaborate due to NDA).

New Zealand Olympic Committee & National Development Team *January 2016 – May 2019*

Long-listed Athlete – Archery

- Sought selection for the 2020 Tokyo Games. Reserve spot holder for the 2019 Pacific Games (Continental Qualifying Tournament for Tokyo 2020). Qualified for the New Zealand World Cup Archery Team Trials. Represented New Zealand at the Oceania Youth Championships 2018. Numerous Medals at National & Regional Tournaments.

PROJECTS

Metabolism of furanocoumarins through the expression of CYP6B1 of Black Swallowtail Butterflies in Saccharomyces cerevisiae to mitigate food-drug interaction – iGEM Silver Award

Created a method of inactivating (blocking) the furanocoumarins from interacting with the CYP enzymes. Our team discovered previous research suggesting that CYP 6YP1B enzymes found in black swallowtail butterflies can degrade furanocoumarins (Dongfack, 2012). We utilised this gene to digest the FCs to the point where they are unable to interact with the cytochromes responsible for drug metabolism. We plan to engineer gut microbes, particularly Saccharomyces cerevisiae (Brewer's Yeast) as they are eukaryotic organisms, which have more organelles in comparison to prokaryotes such as E. Coli, which would allow for better expression of effective protein structures.

Use of Quorum Sensing for Rapid Detection of MRSA (Methicillin-resistant Staphylococcus aureus) – iGEM Bronze Award

Developed a reporter cell that expresses GFP in the presence of the QS signaling molecule acyl-homoserine lactone (AHL). Our test cells (which act as a simulation of antibiotic-resistant bacteria) express lactonase, which breaks down AHL. In our experimental system, test cells should signify their presence by breaking down AHL and preventing GFP expression in reporter cells. We hope that our work will serve as a basis for developing similar, more sophisticated quorum sensing-based detection systems for antibiotic-resistant bacteria in the future.

SKILLS & INTERESTS

Skills: Fusion360, OnShape, TinkerCell, Synthetic Biology Open Language, Wet lab experience, CAD, Adobe Photoshop & Lightroom
Languages: English (Native), Korean (Native), French (elementary, currently learning).
Coding Languages: Proficiency in Python, C++ and MATLAB
Interests: Healthcare, Physical Training/Nutrition, Research, Archery, Photography, Environmentalism, Sustainability

Nadine I. Fattah

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EDUCATION

Stanford University **Stanford, CA**
B.S. and M.S. in Management Science and Engineering, ***GPA:*** *4.07/4.00* *Expected June 2024*
2023 Mayfield Fellow: 1 of 12 Stanford students selected for work/study program in technology venture leadership
Awards: Stanford Boothe Prize Finalist, Stanford Lunsford Oral Delivery of Research Honoree, L'Oréal Diverse Future Leaders Fellow

PROFESSIONAL EXPERIENCE

New Enterprise Associates (NEA) **Remote**
Venture Capital Fellow *November 2022 – Present*

Alpine Investors **San Francisco, CA**
Private Equity Summer Analyst *June 2022 – August 2022*
- Built an employee retention analysis and P&L statement, conducted expert calls, and created investment slides for an investment in the supplemental literacy space
- Constructed a simple model, customer retention/cohort analysis, and P&L statement for a potential investment in the logistech space

Dodge & Cox **San Francisco, CA**
Summer Research Associate Intern, Girls Who Invest Scholar *July 2021 – August 2021*
- Worked directly under D&C's Chief Investment Officer to develop a comprehensive database and framework for evaluating the corporate governance of all 140+ of the mutual fund's stock holdings
- Assisted in building a three-statement financial model for an American transportation and logistics company

Shiru **Remote**
Chief of Staff Intern *January 2021 – June 2021*
- Supported Lux Capital-backed alternative protein startup in preparing for its Series A fundraise; worked directly under founder to manage investor, employee, and customer relations; conduct market research and competitor analysis; optimize Shiru's online presence
- Assisted in developing Shiru's business strategy handbook, built robust investor and customer CRMs to manage 300+ relationships, and compiled due diligence data rooms for prospective investors

illume **Palo Alto, CA**
Product & Business Development Intern *June 2020 – October 2020*
- Assisted Stanford GSB founder of seed stage digital group notes startup with the development of go-to-market strategy; supported product launch at 200+ universities and organizations; increased weekly note generation by 20%
- Proposed and implemented public group notes impact page, personal sign-in and "saved/pending notes" features on illume's website

OPEC Fund for International Development (OFID) **Vienna, Austria**
Communications & Development Intern *July 2018 – August 2018*
- Wrote about fostering independence within refugee camps and interviewed UNHCR leaders for flagship publication, the *Quarterly*

LEADERSHIP & ACTIVITIES

Stanford FashionX – Stanford's pre-professional fashion organization **Stanford, CA**
Data Team, Conference Team *September 2020 – Present*
- Spearheaded creation of FashionX's data team in collaboration with *Data, But Make it Fashion* to guide students through development of a python script to extract trends from their favorite fashion runways; assisted in creation of visual data booklet using Figma

Paper Airplanes **Remote**
IRC Economic Empowerment Program Lead Organizer, English Tutor & Student Manager *June 2016 – November 2022*
- Led English, public speaking, digital literacy, and business dev. classes to support 10+ International Rescue Committee (IRC) clients
- Oversaw the training, matching, and weekly lessons of 500+ English tutor-refugee student pairs within Paper Airplanes

Stanford Graduate School of Business **Stanford, CA**
Teaching Assistant, Chief of Staff *September 2021– June 2022*
- Teaching assistant for the GSB's most popular course, *Humor: Serious Business,* taught by Professor Jennifer Aaker
- Supported General Atlantic Professor Jennifer Aaker in research and writing projects related to beauty and positive work environments

Stanford Social Entrepreneurial Students' Association (SENSA) **Stanford, CA**
Social Impact Consultant, Teaching Assistant *October 2019 – October 2021*
- Analyzed WikiHow engagement data and redesigned aspects of website and newsletter on Figma to emphasize startup's values
- Co-led 10-week social entrepreneurship course which provided mentorship to aspiring student entrepreneurs using the tenets of sustainability, impact, and innovation; facilitated virtual Demo Day where students pitched to Silicon Valley investors

SKILLS & INTERESTS

Languages & Skills: Arabic, Public Speaking, Microsoft Office, Knowledge of C++, Python, R Studio, Figma
Interests: Refugee Advocacy, Political Affairs, Speech Coaching, Intersection Between Data and Fashion, Comedy Specials

Nathan Francis

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EDUCATION

Stanford University, School of Humanities & Sciences | Cumulative GPA: 3.907 Expected Graduation: 2024

B.S., Symbolic Systems (Computer Science, Linguistics, Philosophy), Focus in Natural Language

Masters, SUST (Sustainability Practice and Sciences)

Mayfield Fellow 2023 – 1 of 12 selected for program in technology venture leadership

Course Work: Mathematical Foundations of Computing, Practical Unix, Probability for Computer Scientists, Languages to Information, Computer Organization and Systems, Design and Analysis of Algorithms, AI: Principles and Techniques

EXPERIENCE

Goldman Sachs | *Summer Analyst, SRE Platforms* 2022

- Implemented a division wide transition, building a data transformation layer in Java to reliably deal with petabytes of data from firmwide hosts, enrich it, and push it to external storage services for the Cloud team to use for site reliability purposes.

Stanford Language and Cognition Lab | *Research Assistant* 2021 – Ongoing

- Used Psychometric modeling in Python and R to analyze the Communicative Development Inventory (CDI), a type of vocabulary test for children. Our goal was to assess the CDI using Item Response Theory (IRT) and Differential Item Functioning (DIF) modeling to identify words with social biases that should be removed for equity purposes.

Stanford Memory Lab | *Research Assistant* 2020 – 2021

- Analyzed behavioral data for attention and media multitasking in young adults, focusing on studies examining eye tracking data and how attention lapsing and media multitasking can be predictive memory ability and capacity.

Charm Industrial | *Outreach and Business Consultant* 2020 – 2021

- Performed extensive research and outreach to provide a cost analysis of potential locations to expand their business around the world, culminating in a report on the best countries and sites to begin the process of decarbonizing the steel industry.

Casaréu (Uberlândia, Brazil) | *English Teacher (Volunteer, Paid)* 2017, 2018 – 2019

- Employed the Brazilian Way pedagogy, which focused on conversation and teaching English by example. I learned how to tailor my approach to each individual student, a skill that has since served me well.

PUBLICATIONS

- Kachergis, G., Francis, N., & Frank, M. C. (2022, May 27). Estimating demographic bias on tests of children's early vocabulary. https://doi.org/10.31234/osf.io/4rywf (One of 6 prize winning papers out of 726 submissions, which I presented in the Cognitive Science Society 2022 Conference in Toronto, Canada and was published in a special release of the TICS Journal 2023.)

ACTIVITIES

SENSA - Stanford Social Entrepreneurial Students' Association | *Consulting Team* | *VIP Team*

- As a Consulting Team member, I work directly with social impact organizations to help create innovative and sustainable solutions to problems our clients face in investment analysis, product development, market research, or marketing strategy.
- As a VIP Team member, I outreach to companies and people to set the speaker lineup for the course, work directly with the entrepreneurs to organize the events and facilitate each class.

Kairos Retreat | *Group Leader*

- I lead and facilitate small group discussions for high school juniors to reflect on their lives and relationships. The role required three months in leadership, conflict resolution, and mental health sensitivity training.

SKILLS

Proficient Portuguese, Proficient Spanish, Public Speaking, Research Design

Programing: Python, C++, Java, Unix, Matlab, R, PsychoPy, Excel, Airtable

Nahome Gebremariam Hagos

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EDUCATION

Stanford University, Palo Alto, CA **Expected June 2024**
B.S. Computer Science (AI) GPA: 3.92/4.0

Awards/Fellows: Mayfield Fellow 2023 Cohort, BEAM Fellow, UAR Major Grant Awardee, Ernest Houston Johnson Scholar

Leadership & Activities: Stanford Black Pre-Med Organization Vice President, Global Health Student Council Executive, Stanford Immersion in Medicine Series, Men's Club Basketball

Relevant Courses: Programming Methodologies ⬩ Programming Abstractions ⬩ Computer Organization ⬩ Discrete Math ⬩ General Chemistry ⬩ Organic Chemistry ⬩ Biochemistry ⬩ Genetics/Evolution ⬩ Cell Biology ⬩ Physiology

EXPERIENCE

Stanford Center for Teaching and Learning, Stanford, CA 10/2021 - Present
Undergraduate Learning Consultant

- Develop novel immediate and long-term strategies to support the academic needs of Stanford students
- Responsible for **managing academic skills programs and projects** as well as the logistics for academic programming, events, workshops, study halls, and Grad Studios.

Stanford University School of Medicine, Stanford, CA 03/2021 - 11/2022
Undergraduate Researcher - Jagannathan Lab

- Elucidating the mechanisms of clinical immunity to malaria through field-based studies and the immunologic consequences of malaria control interventions.
    - Summer 2021 - Basic laboratory research in the *Vδ1+ T cell response to Plasmodium Infection* using Prism & Flowjo softwares to analyze functional response data —**funded by Stanford's UAR Major Grant**
    - **Academic Year Project**: Basic laboratory research and usage of R to analyze gene expression data in *CD123+ Myeloid cells in Malaria-Exposed Ugandans*

Health Professionals Network for Tigray, Tunaydbah, Sudan 11/2021 - 08/2022
Project Facilitator

- Summer 2022 - Traveled to Sudan to aid in computer installations for educational facility created for Ethiopian refugees as well as facilitated w/ NGO's mental health program restructuring—**funded by Stanford's BEAM grant**
    - Helped enroll **a cohort of over 100 students** to receive offline access to educational softwares like Khan Academy through Raspberry Pi system
    - Hired new mental health facilitators as well as **collected and organized data** from previous program cohorts.

Stanford Health Care Consulting Group, Stanford, CA 04/2021 - 06/2021
Consultant

- Selected to be a part of the Stanford Health Consulting Group to improve and optimize medical processes in hospitals
- **Project Responsibilities**: Planning for the formation of a new family medicine residency program at Stanford Valley Care.

Stanford High School Support Initiative, Stanford, CA 09/2020 - 11/2021
Tutor

- Provide tutoring for students in grades 9-12 at East Palo Alto Academy and MA 49ers Academy.
- Attend weekly learning sessions to improve as a tutor and reflect upon meaningful service.

SKILLS

- Proficient in Word, Excel, Power Point, OneNote, Sheets
- Python, C++, C, R, HTML

Isabelle Levent

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Education

Stanford University B.S. in Symbolic Systems with a concentration in Human Centered AI (Class of 2024)

- **Mayfield Fellow 2023:** 1 out of 12 selected for a technology venture leadership program.
- **Selected coursework:** From Languages to Information (CS124), AI: Principles and Techniques (CS221), Web Development (CS 193X), Programming Abstractions (CS106B), Computer Organization and Systems (CS107), Redesigning Finance (Design School), and The Entertainment Industry: Intersection of Art & Commerce (GSB).

The Brearley School (Class of 2019)

Experience

Fanhouse (a16z backed Series A startup) - Product Intern (June '22 - August '22)

- Defined future product direction and core experience pillars using the design thinking process. Conducted user interviews, identified value propositions, built lo-fi prototypes, and shared research across teams.
- Product manager for a feature based on newly defined product direction. Wrote a spec and collaborated with a team of three engineers and one designer.

Stanford - Teaching Assistant for Philosophy of AI (January '22 - March '22)

- Selected to be a TA for introductory seminar taught by former provost of Stanford University. Led two classes on philosophy of mind and provided feedback on weekly writing assignments.

Stanford - AI Ethics Research Assistant to Professor Rob Reich (June '21 - December '21)

- Wrote a section in the whitepaper "On the Operations and Risks of Foundation Models," exploring questions of bias, homogenization, release, and refusal in foundation models.
- Produced a memo on benchmarking in AI, used to support a $3.5M grant, and presented the research to the Center for Foundation Model community.

Entrepreneurs Roundtable Accelerator - Operations Intern (June - August '20)

- Completed quality assurance and market research for two ERA startups. Sourced startups for ERA summer cohort.
- Helped organize and run mentorship meetings, one of the core offerings of the ERA program.

Irony Point (Production Company) - R&D Intern (December '19 - March '20)

- Interviewed 15+ film industry stakeholders and 5+ PMs, founders, and VCs.
- Wrote a memo on ways startup principles and management methodologies can be applied to optimize the media production pipeline.

Languages and Skills

Python · Javascript · CSS/ HTML · C++ · C

Russian (spoken) · German (spoken) · Mandarin (advanced)

Muhammad Umar Nadeem

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linkedin.com/in/mumarnadeem

EDUCATION

Stanford University, Class of 2023
M.S. Candidate, Management Science & Engineering with a concentration in Technology and Engineering Management

Stanford University, Class of 2022
B.S. in Computer Science with a concentration in Artificial Intelligence

Bellingham High School, Class of 2018
High School Diploma, with Honors

HONORS

2023 Mayfield Fellow
1 of 12 selected by the Stanford Technology Ventures Program (STVP) for a 9-month work-study program to develop entrepreneurship skills in establishing, scaling, and leading principled high-growth technology ventures

2018 United States Presidential Award
Academic Excellence

2009 – 2014 WSSEF 1st Place (x6)
Placed 1st in State at the Washington State Science and Engineering Fair (WSSEF) for six consecutive years. Received United States Office of Naval Research's Medal of Scientific Achievement

SKILLS

Programming Languages
Scala, Java, C, C++, Python, JavaScript, Typescript, MATLAB, Solidity

Software Development Tools
Acca (Distributed Systems Toolkit)
GitHub (Software Development Platform)
React (JavaScript Library for UI)
AntDesign (React Library for UI)
Gatsby (Open-Source Website Framework)
GraphQL (Query Language for APIs)
MySQL (Relational Database Manager)

Product Management
Brand Development, Market Research, Partnership Strategies, Communication, Leadership, Teamwork

Others
Public Speaking, Teaching/Mentoring, Multi-Lingual:
+ English (Native/1st Language)
+ Urdu (Native/1st Language)
+ Spanish (Working Proficiency)

EXPERIENCE

Tesla — Palo Alto, California
Cloud Platforms Intern, Energy Products — September 2021 – December 2021
A Tesla sub team creating the largest distributed battery system in the world to avoid dependence on temporary use fossil fuel power plants. Working to develop unique and seamless integration of hardware, firmware, and software among all Tesla energy products. Responsibilities included:
- Using Scala to manage telemetry data from Tesla energy products on distributed systems
- Development, market incentivization, and market integration of the Tesla Virtual Power Plant

Stanford Solar Car Project (SSCP) — Stanford University
Business Development Officer — September 2018 – September 2019
A nonprofit student led engineering team that designed and built a completely solar powered electric vehicle to race across the Australian continent in the World Solar Challenge. Responsibilities included:
- Managing and strengthening relationships with current SSCP sponsors while target marketing new sponsors, ranging from Fortune 500 companies to Silicon Valley start-ups
- Exceeding our 2017 total budget of $1.3 million

Techstep — Remote
Full-Stack Web Development Intern — September 2020 – December 2020
A web-based application connecting small and medium-sized businesses (SMBs) to technology tools and contracted consultants through AI-guided, personalized recommendations. Responsibilities included:
- Taking the product from 0 to 1 through development of minimum variable product (MVP)
- Developing UI for internal consultant dashboard and integrating data from MySQL database

ReMatter – Stanford TomKat Center — Remote
Full-Stack Web Development Intern — June 2020 – August 2020
A web-based end-to-end enterprise resource planner (ERP) for metal recycling facilities and an iOS/Android mobile app for drivers and dealers. Responsibilities included:
- Developing key performance indicator (KPI) tab within administrative console using React/AntDesign for frontend user interface and GraphQL for efficient backend integration
- Migrating frontend codebase from JavaScript to Typescript

Copy Source — Bellingham, Washington
Business Development Intern — June 2019 – August 2019
A small and medium-sized business (SMB) serving the local community's printing needs. Responsibilities included:
- Identifying potential sales leads, then following through by pitching services to new clients
- Diversifying the business's portfolio through the addition of a new stream of revenue
- Creating, curating, and managing all web-published content (including new website)

PROJECTS

Detecting Bias in News Articles Using NLP Models — January 2022 – March 2022
Analyzing various natural language processing (NLP) algorithms to build a deeper understanding of the machine learning techniques required to detect biased political leanings in news sources. Findings show greater accuracy using contrastive learning models.

Predicting Bazel Build Times Using Machine Learning — March 2021 – November 2021
Developing a linear regression algorithm with feature crossing that predicts the CPU-time of a Bazel (a tool used to automate software builds and tests) build. This model will allow developers to design code for efficient use of resources in advance of executing the build.

COMMUNITY ENGAGEMENT

Stanford Muslim Student Union
Co-President — May 2021 – May 2022
Work to fulfil the spiritual, community, inclusivity, and advocacy needs of Muslims on campus

Stanford Kids With Dreams
Program Coordinator — March 2019 – June 2021
Coordinate soccer and baseball leagues for local (Palo Alto area) children with special needs

Jackson S. Parell

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EDUCATION

Stanford University, Stanford, CA — *September 2018 - Present*
B.A. Economics with Honors, M.A. Public Policy — Major GPA: 4.03, Overall GPA: 3.98

Phillips Exeter Academy, Exeter, NH — *September 2014 - May 2018*

INDUSTRY EXPERIENCE

Washington Business Dynamics Consulting — *March 2020 – July 2020*
Strategic Consulting Intern — *Washington, D.C.*

Spearheaded economic development projects with private sector partners and USAID officials in Bangladesh and Kenya to boost their economies after the COVID-19 crisis. Developed private sector engagement learning modules for USAID officials in issue areas ranging from climate change mitigation to rural micro-insurance.

Array Venture Capital — *January 2019 – February 2020*
Venture Capital Analyst — *San Fransisco, CA*

Researched and evaluated AI products for potential investment. Performed technical feasibility analysis for the managing partner, Shruti Ghandi.

Doerr School of Sustainability — *July 2020– Present*
Research Assistant at ECHO Labs & Woods Institute for The Environment — *Stanford, CA*

Researched the geographical distribution of emissions from California's industrial heat sector. Implemented policy solutions alongside local/state government officials to encourage carbon capture, use and storage in areas with high emissions concentrations.

Working with Stanford professor Marshall Burke to analyze the health and economic effects of wildfire smoke across US.

Department of Defense, Defense Innovation Unit — *June 2019– August 2019*
Engineering Internship — *Mountain View, CA*

Department description – a DoD rapid prototyping group developing cutting edge technology to aid war-fighters and other government employees.

Identified inefficiencies from the commercial, off-the-shelf (COTS) drone ban on internal Department of Defense operations and implemented a website-based solution that gives war-fighters the information needed to more quickly and efficiently apply for exemption to the COTS ban.

Economic Policy Intern — *February 2020 – December 2022*
Office of Economic Innovation in Stockton California, Edge Collaborative — *Stockton, CA*

Partner with nonprofits, government officials and community stakeholders in Stockton to establish a community development financial corporation to help safeguard community wealth, develop a stronger workforce, and begin the transition to a green economy for Stockton's residents.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Mayfield Fellowship — *Nov 2023 – Present*
2023 Fellow — *Stanford, CA*

Selected as one of 12 from a pool of over 150 Stanford students to take part in an immersive 9-month work/study program in tech entrepreneurship.

Stanford In Government — *June 2020 – Present*
Co-Founder of Local Government in Action, — *Stanford, CA*

Co-founded a course in Stanford's Public Policy department that allows students to pursue projects with local government officials that address pressing policy issues in the Bay Area. Projects have ranged from electric vehicle infrastructure planning in the City of Pacifica to developing best practices of civic engagement for the City of Stockton.

Student Government — *August 2018 – December 2020*
Sophomore & Junior Class President — *Stanford, CA*

Worked with relevant authorities on campus to develop policy and programs that improve the social/academic experience of the student body.

HONORS & SKILLS

Honors: Hiking World Record Holder (8000-mile Calendar Year Triple Crown: https://www.latimes.com/california/story/2021-11-19/how-2-stanford-students-conquered-the-triple-crown-of-hiking), Academic All American, Stanford Boothe Prize, Stanford Award of Excellence, Exeter Warren Burke Shepard Award, Exeter Early Cum Laude, Exeter Student Body and Student Service President, Exeter Academic Highest Honors (12x).
Skills: PowerPoint, Excel, HTML, Java, C++, R, Python, Stata, Analytical research, Team Leadership.

Montanna M. Riggs

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EDUCATION

Stanford University, Stanford, CA | GPA: 3.951 **anticipated graduation June 2024**
Prospective Major in Bioengineering with a Minor in Music

Mayfield Fellow 2023: 1 of 12 Stanford students selected to learn to lead and scale responsible tech ventures through a 9-month immersive entrepreneurial work/study program

Relevant Coursework: Differential Equations, Computer Science, Organic Chemistry, Material Science, Biology, Systems Biology, Multivariable Calculus, Probability

WORK EXPERIENCES

Summer Staff, Stanford Alumni Association Sierra Camp, South Lake Tahoe, CA **6/22 – 9/22**

- Designed 20+ hours of daily youth programming for 9/10-year-olds
- Interfaced daily with 3,300+ guests from 5 to 95 years-old adapting services to their needs
- Facilitated intergenerational dialogue and change between Stanford alumni and Stanford students

Summer Associate, Boston Consulting Group, San Francisco, CA **6/21 – 8/21**

- Presented and collaborated with a consulting team and senior leadership at a healthtech start-up
- Investigated vanguard use of data & analytics in a competitive analysis
- Developed slides culminating in leadership buy-in for a change in company vision and strategy

Founding Team Member, Head of Financial Aid, Curious Cardinals, Remote **6/20 – 9/21**

- Helped grow a profitable start-up with the mission to invigorate online education with $500,000 gross revenue in 9 months
- Procured and managed 6 community partners and financial aid students across the US working to increase and maintain enrollment reaching 66% students on financial aid
- Raised $45,000 dollars from individual donors and grants

Teacher, Curious Cardinals, Remote **6/20 – present**

- First hired teacher at Curious Cardinals (evaluated at 4.25 million dollars)
- 300+ hours of remote teaching and tutoring ages 5 – 18
- Curriculum development in 8 courses incl. Latin, Cosmetic Chemistry, Environmental Chemistry
- Experience teaching Title I, private, charter, and public school students

Research Assistant, Dauskardt Research Group, Palo Alto, CA **6/20 – 5/21**

- Studied damage mechanisms in human skin due to fragmented projectiles in experiments and literature review to engineer second skin armor applique
- Modeled bullet impacts on skin using Finite Element Analysis in ABAQUS.
- DOI:10.1038/s44172-022-00031-6

LEADERSHIP AND CO-CURRICULAR ACTIVITIES

Cellist, Soloist and Orchestra Member **2005 – present**
Black in Greek Life, Co-founder **6/22 – present**
Stanford Tour Guide, Guide/Hiring Associate **3/20-present**
Seeds of Change Leader, VMWare Women's Leadership Innovation Lab **6/21 – 6/22**

SKILLS

Technical: MS Office & G Suite, Python, Finite Element Analysis, Origins, ABAQUS, SolidWorks, CAD, Bioengineering Wet Lab Techniques
Language: Proficient in Spanish and Latin
Interests: Women's healthcare, skincare, education, biomimicry, cooking, chocolate chip cookies

Moritz Pascal Stephan

moritzst@stanford.edu | https://github.com/austrian-code-wizard | https://www.linkedin.com/in/moritz-stephan/

EDUCATION

Stanford University [GPA: 4.01] **Stanford, CA**
BSc in Computer Science, Mayfield Fellow '23 *Class of 2024*
Relevant Coursework: Reinforcement Learning, Machine Learning, Web Applications, Deep Learning for Computer Vision, Cryptography, Applied Matrix Theory, Cryptocurrencies and Blockchain Technologies

WORK EXPERIENCE

Trunk Tools (Stealth Construction Tech Startup; Funded by Innovation Endeavors) **Remote / New York City**
Product Manager *06/22-current*
- Lead product for growth from 0 to 1000 users resulting in projected 1M ARR in Q4 '22
- Scaled engineering team from 0 to 6 engineers & ran hiring and engineering team operations

Uber (ML Engineer on Pricing Optimization Team) **New York City**
SWE Intern *06/22-08/22*
- Improved AUC of driver-ride-acceptance model by 0.7pt, the highest improvement in the past year
- Demonstrated potential of including driver features into acceptance model boosting AUC by 16.2pt

Fizz (YCombinator S21, www.joinfizz.com) **Berlin, Germany & Remote**
ex-Co-Founder & CTO, now Advisor *06/21-09/21*
- Scoped credit-history-building debit card MVP & lead engineering team to deliver first card 80% faster than competitors
- Led hiring, interviewing, onboarding, and management of inaugural intern program (2 engineering interns)

Prewave (AI Start-Up, $11m of funding) **Vienna, Austria**
NLP & ML Intern *10/20-01/21*
- Reduced # of manual reviews by 20% by training BERT QA model to extract entities from news articles
- Optimized ML model-serving API architecture for batch processing using K8S and reduced model server cost by 75%

PROJECT EXPERIENCE

Stanford Artificial Intelligence Laboratory (advised by Chelsea Finn) **Stanford, CA**
Undergraduate Research Assistant *09/21-06/22*
- Applied Meta-RL models to automatically grade students' coding submissions successfully
- Paper accepted at NeurIPS 2022 (Giving Feedback on Interactive Student Programs with Meta-Exploration)

Team Tumbleweed (European Space Agency Business Incubator) **Vienna, Austria**
Co-Founder & CEO *10/16-08/20*
- At age 16, launched and grew team building wind-driven Mars rover to +50 people in 4 countries
- Successfully tested prototype in Negev & Oman deserts

SKILLS

Languages: Python, JavaScript / TypeScript, C/C++ (expert), Go, Solidity (beginner), English, German (native)
DevOps: Kubernetes, Docker, Travis, GCloud, AWS, Unix, Git, Jenkins
Frameworks & Tools: Pytorch, Keras, FastAPI, Flask, React, Express, MongoDB, PostgreSQL, Redis, REST APIs

CHANMARIE UN

Stanford, CA • cmarieun@stanford.edu

EDUCATION

Stanford University *Expected 06/2024*
Stanford, CA
- B.S Product Design, Minor Civil and Environmental Engineering – Architectural Design, Current GPA: 3.7
- Coursework in Design Manufacturing, Design Sketching, Programming Abstractions, Multi-Variable Calculus

Mayfield Fellows Program
- Selected as 1 of 12 Stanford students to develop the technical acumen and leadership skills required to establish, scale, and lead principled high-growth technology ventures in a 9-month work-study program

Honors/Awards
- 2018 TEDx Speaker, Student Ambassador at NASA to Presidential and Congressional Delegation, 2017 FIRST Robotics World Championship Finalist, 2017 FIRST Dean's List Semi-Finalist, NASA HUNCH National Winner, Stanford Summer Human Rights Fellow (2020)

TECHNICAL SKILLS

Proficient Computer Applications: Siemen's NX, PTC Creo, Fusion 360, Procreate Design, Python, SQL, C++, C, MS Excel
Technical Skills: Lathe, Mill, Casting, Rapid Prototyping, Digital Image Correlation
Language Skills: Khmer (First Language), English (First Language), Spanish (Advanced), Korean (Novice)

WORK EXPERIENCE

Apple *Cupertino, CA*
SoftGoods Engineering Program Management Intern – 8 Months *01/2022 – 09/2022*
- Led cross functional meetings with operation managers, manufacturing quality engineers, color specialists, and program managers to develop silicone case for products in the iPhone product line
- Organized meetings to collaborate with vendors in Asia to advance project initiatives, ensuring product ships on time and meets product benchmarks and specifications during each build phase
- Managed schedule and budget from development to mass production, conducting risk assessment analysis and providing scenarios for core team and managers to support build effectively

Apple *Cupertino, CA*
CT Engineering Intern – 6 Months *03/2021 – 09/2021*
- Organized collaboration with cross-functional teams and vendors to advance project initiatives
- Presented work to Director of Failure Analysis, senior level engineers, and management
- Developed novel techniques to conduct failure analysis in a CT/High Speed X-Ray lab
- Integrated Digital Image Correlation (DIC) analysis with X-Ray analysis techniques
- Automated dynamic tests using UR5 Industrial Robot in an X-Ray testing environment
- Troubleshot, designed, and built camera housing structure for High Speed X-Ray and DIC integrated systems

NASA Johnson Space Center *Houston, TX*
Robotics Engineering Academy Student Intern – 3 Months *06/2019 – 08/2019*
- Designed and assembled chassis and end effector for a "pneumatic lift" bomb robot capable of climbing stairs and ladders partnered with the Combatting Terrorism and Technical Support Office (CTTSO)
- Assembled hexapod robot and conducted partial redesign of legs to better suit metal terrain
- Guided Explosive Ordinance Disposal technicians in prototyping, manufacturing, and robot control by assembling motors, conducting machine work, and producing CAD designs for team
- Assisted ER-4 Engineers in current projects, such as prototyping a chassis for Micro-Chariot and Space Exploration Vehicle refurbishment

LEADERSHIP EXPERIENCE

Stanford Design Summer *Stanford University*
Teaching Assistant *09/2021 – 01/2022*
- Expanded Design Summer work database and network to help students find opportunities for mentorship, projects, and paid work
- Assisted lecturer and fellow TAs with pre-class preparation and post class teardown, provided support to lecturer and students as needed

Stanford Women in Engineering *Stanford University*
Outreach Committee *09/2019 – 06/2020*
- Mentored students in the **OASES** program, a 1-to-1 mentorship program with high school students throughout the quarter
- Guided students through engineering projects involving guitar making and Arduino programming while also discussing college-preparedness with a team of 11 members