

EDUCATION

Tufts University Medford, MA
Bachelor of Science in Computer Science and Quantitative Economics May 2024
Honors: *Summa Cum Laude*

Relevant Courses: Data Structures, Machine Structure & Assembly Language Programming, Intro to ML & Data Mining, Web Programming, Algorithms, Programming Languages; Linear Algebra, Discrete Math

SKILLS

Programming Languages: Python, C/C++, x86, JavaScript, Node.js, PHP, Scheme, SML
Computer Skills: Machine Learning, Git, AWS SageMaker, Amazon Redshift, AWS Glue, SQL

EXPERIENCE

HomebaseDAO (Startup that enables Fractional Real Estate Investment) New York City, NY
AI/ML Software Development Intern (Remote) July 2023 - May 2024

- Trained and deployed a Random Forest model with 0.87 AUROC to forecast user engagement
- Created an AWS SageMaker endpoint to predict investing likelihood of 2000 users in real time
- Led weekly goal review and biweekly sprint planning meetings for a team of 4
- Optimized data pipelines and runtime of Glue ETL processes for a Redshift data warehouse by 10%
- Compiled a list of 1000 SEO keywords to help attain growth goals
- Interviewed over 10 candidates as part of the hiring process for the Software Engineering team

NITI Aayog (Primary Think Tank of the Indian Government) New Delhi, India
Economics and Finance Intern August - October 2022

- Proposed a research project into the legal frameworks of financial data transfer in India
- Presented findings to a committee of 6 mentors including the head of the Economics and Finance dept.

Tufts University Medford, MA
Programming Languages Course Assistant (CA) January - May 2024

- Graded an assignment a week and conducted Office Hours once a week for a class of 126
- Helped about 5 students a week with concerns related to PL concepts, design, and debugging

CLASS PROJECTS

Sentiment Analysis
CS135 - Intro to Machine Learning & Data Mining December 2022

- Trained 3 ML models to classify sentiments of single-sentence reviews from Amazon, IMDB, and Yelp
- Deployed Logistic Regression model with 0.89 AUROC

Arith
CS40 - Machine Structure & Assembly Language Programming October 2022

- Designed and implemented a 98% lossless compressor and decompressor for PPM images in C

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Tufts Quantum Information Systems Blog Medford, MA
Contributor March - June 2024

- Researched Amplitude Amplification, Phase Estimation, and Amplitude Estimation quantum algorithms
- Wrote a summary paper on an efficient quantum methodology for pricing options ([link](#))

Legalese New Delhi, India
Founder January 2019 - May 2020

- Founded Legalese to foster legal literacy amongst the working class in India ([link](#))
- Mentored 150 underprivileged people aspiring to join the work force in Gurugram, India
- Created 15 pamphlets on employment laws in partnership with SMILE Foundation and ProBono India

Iris (Social welfare platform - concept) New Delhi, India
Team Leader September - November 2018

- Created, developed, and pitched an alpha version of the Iris platform to a forum of 20 venture capitalists
- Led a team of 4 to the Semi Finals of the Young Founders Summit, Singapore