

SINA KHAZAEI

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EDUCATION

Tufts University

Master's, Computer Science

January 2024 - January 2026

GPA: 3.93

University of California - Davis

Bachelor's, Cell & Molecular Biology

September 2020 - June 2023

GPA: 3.65

- Minor: Statistics

PROFESSIONAL EXPERIENCE

Lumentum

Product Engineering Intern (AI)

San Jose, CA, USA

May 2025 - Present

- Will support AI-integrated product engineering initiatives as part of a cross-functional team
- Focused on accelerating product development cycles through data science, automation, and ML integration.

Foothill Community College

CS Course Instructor

San Jose, CA, USA

March 2024 - April 2025

- Designed and led introductory computer science course for 10+ students, covering OOP, algorithms, data structures, and debugging
- Wrote and graded assignments, provided weekly lectures, and adapted course material to student needs.

Biostatistics Group, UC Davis

Data Scientist

Davis, CA, USA

September 2022 - April 2023

- Analyzed large genomic datasets (30K+ gene markers, 400+ environmental variables) for strawberry breeding optimization
- Reverse-engineered 3,000+ lines of R code; streamlined data prep using tidyverse and integrated pipeline with Beagle software for gene phase prediction
- Deployed compute jobs on Linux-based FARM clusters; validated data quality and shared results in weekly presentations.

UC Davis Health Lab

Data Scientist

Davis, CA, USA

January 2022 - February 2023

- Contributed to research on lipoprotein A levels, analyzing statistical relationships between diet, ethnicity, and biomarkers
- Applied linear regression and multiple hypothesis correction in R; visualized results for internal reports
- Coordinated lab workflows and ensured clean data pipelines from experimental design through analysis.

Axis Community Health

Data Analyst Intern

Pleasanton, CA, USA

June 2022 - September 2022

- Cleaned and reformatted patient vitals and outcomes for 87+ COVID-19 patient entries
- Built visualizations and regression models to evaluate health impacts; performed significance testing for data accuracy
- Collaborated with clinicians and analysts to support data-driven decisions.

UC Davis Health Center

Image Analyst Intern

Davis, CA, USA

October 2020 - January 2021

- Conducted image grading of retinal scans for 87 patients in macular degeneration study
- Developed a standardized scale for cross-team evaluation, improving consistency across 3 researchers
- Analyzed treatment efficacy by comparing image-based scoring across control vs experimental groups.

SKILLS

Skills: Python, R, SQL, Bash, Git, NumPy, Pandas, Scikit-learn, Flask, Linux/Unix, AWS, Docker, JIRA, Data Analysis, Machine Learning, Communications, HTML/CSS, Java, Excel/Numbers/Sheets, Business Analytics, MATLAB, Operations Research, statistics, OOP