

Education

University of California, Berkeley
BS Electrical Engineering and Computer Sciences

Berkeley, CA
Aug 2019 | May 2023

Homestead High School
GPA: 3.97

Cupertino, CA
2015 | 2019

Work Experience

Stanford University School of Medicine *Computational Biology Research Intern* 2017 | 2019

- Worked under mentor, postdoctoral scholar Hayan Lee, at Snyder Lab.
- Made contributions to various research projects. The completed research contributed to a paper co-authored with mentor, which was submitted to the 2020 Pacific Symposium on Biocomputing.

Skills

Programming Languages Python, C++, Java, HTML/CSS

Technologies NumPy, SciPy, Matplotlib, Jupyter, Git, Pandas, RandomForest

Projects

Analysis of Methylation Entropy

Project completed at Snyder Lab in 2017. Using Python, applied statistical models to analyze methylation entropy of the 23 chromosome pairs of sample patients at different stages of carcinoma.

DeathClock

Project completed at Snyder Lab from 2018-2019. Cleaned and processed data sets of Lung Adenocarcinoma patients, and applied RandomForest machine learning to develop a model that makes predictions on how many days a patient has left based on given conditions.

Awards

The Leadership Award Aug 2019

Cal Alumni Association

Recognized with \$2,000 scholarship for demonstrating innovative, initiative-driven leadership impacting academic, work, and community environments.

USACO Gold Jan 2018

USA Computing Olympiad

Top 1000 among high school computing students.

AIME Qualifier (5x) 2015 - 2019

Mathematical Association of America

Top 2.5% of high school math contestants.