GILBERT FENG

gilbertfeng@berkeley.edu   (408) 594-8438   gfeng2001.github.io

WORK EXPERIENCE

Software Development Engineer Intern   *May 2020-Present*
Amazon Web Services (AWS)
- Currently interning on team working on hardware accelerator compiler for machine learning.

Computational Biology Research Assistant   *February 2017-August 2019*
Stanford University School of Medicine
- *Snyder Lab, Mentor: Hayan Lee*
- Applied statistical analysis on methylation entropy of the 23 chromosome pairs of sample patients at different stages of carcinoma.
- Used RandomForest machine learning to develop a model that makes predictions on how many days a patient has left based on given conditions.

Mentor   *February 2020-Present*
Computer Science Mentors
- Taught weekly sections of 4-5 students in UC Berkeley's introduction to CS course.
- Personally developed teaching plan to help students review concepts in the course.

EDUCATION

B.S., Electrical Engineering and Computer Sciences (EECS)   *August 2019-May 2022*
University of California, Berkeley
- **GPA: 4.0**
- Member of Eta Kappa Nu (EECS Honor Society)
- *Notable Coursework:* Data Structures (A+), Designing Info. Devices & Systems (A+), Discrete Math & Probability (A+), Programming Structures (A+)

Awards and Honors

- Edward Frank Kraft Award
- Cal Alumni Association Leadership Award
- USA Computing Olympiad Gold
- 5-time American Invitational Mathematics Examination (AIME) Qualifier

SKILLS

Languages: Python, Java, SQL, C++, Lisp (Scheme)

Technologies/Frameworks: Git, NumPy, Matplotlib, Pandas, Scikit-Learn

Certifications: Machine Learning (Coursera)