Gregory Jerian

Palo Alto, CA | (650) 714-0405 | gregoryjerian@berkeley.edu | gregoryjerian.com

EDUCATION

University of California, Berkeley | Berkeley, CA

Bachelor's in Computer Science, **GPA: 3.91** **Jun. 2017 – May 2021**

Coursework (selected):

- Data Structures
- Great Ideas of Computer Architecture
- Principles and Techniques of Data Science
- Web Design
- Computer Security
- Operating Systems and System Programming
- Efficient Algorithms and Intractable Problems
- Discrete Mathematics and Probability Theory

SKILLS

- Advanced proficiency in Java, Python (NumPy, pandas), C
- Proficient in Git, SQL, LaTeX, HTML, CSS, Golang

WORK EXPERIENCE

Dropbox | San Francisco, CA

Software Engineer Intern (ClusterOps Team) **May 2020 – Aug. 2020**

- Worked on internal tooling for datacenter technical staff to carry out their daily operations
- Wrote an automatic DHCP configuration generator, improving config generation speeds by 7x
- Created tool to parse and validate generated DHCP configuration files for errors, saving valuable time

UC Berkeley EECS Department | Berkeley, CA

Teaching Assistant – Great Ideas of Computer Architecture **Jun. 2019 – May 2020**

- Led discussion and lab sections of around 40 students
- Helped students navigate and understand difficult course concepts
- Managed lab assistants to effectively answer questions and gauge student understanding
- Created assignments, wrote exam problems, and graded student work

Lab Assistant – Designing Information Devices and Systems **Aug. 2018 – May 2019**

- Answered student questions about assignments in lab sections of around 50 students

Group Tutor – Data Structures **Jan. 2019 – May 2019**

- Led small group tutoring sessions on Java programming and data structures

Palo Alto High School | Palo Alto, CA

Teaching Assistant – AP Computer Science **Jan. 2017 – Aug. 2017**

PROJECTS

Encrypted File Sharing System (Golang) **Fall 2019**

- Utilized cryptographic primitives such as AES and HMAC to build an end-to-end encrypted file sharing system
- Supported sharing files between multiple users as well as a mechanism to revoke access

Student Feedback Data Analysis (Python) **Summer 2019**

- Performed data analysis on student feedback from teaching assistant role using iPython and pandas
- Created visualizations using Seaborn to look for trends related to number of sections attended

Ham-Spam Classifier (Python) **Spring 2019**

- Created a classifier for determining if an email is spam using Python and scikit-learn
- Capable of detecting spam emails with over 90% accuracy