

# Gregory Jerian

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## 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**

- Wrote tool to backfill missing server information into network source of truth database
- Designed an automatic DHCP configuration generator, improving config generation speeds by 7x
- Created utility to parse and validate generated DHCP configuration files for errors

**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