

Haotian Ye

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Education

Aug 2017 – May 2021
Berkeley, CA

University of California, Berkeley
Bachelor of Arts in Computer Science

Completed Coursework:

Data Structures, Computer Architecture, Efficient Algorithms & Intractable Problems, Computer Security, Operating Systems, Networking, Artificial Intelligence, User Interface Design, Databases, Linux DeCal, Web Design DeCal, Discrete Math & Probability Theory

Experience

June 2020 – Aug 2020
Remote

Apple – Software Engineering Intern

- Designed and implemented automated update mechanism of lexical data in Siri.
- Set up a pipeline service for weekly automated checks and updates.
- Saves ~1 hour of manual work per update; reduces people involved from 4 to just 1.

May 2019 – Aug 2019
Santa Clara, CA

Palo Alto Networks – Software Engineering Intern

- Developed resource manager/abstraction layer (device manager & API) for SD-WAN.
- Implemented generic interface manager using Python & OOP that detects connected and available network devices across a wider range of hardware.
- Stored device attributes in SQLite database used for assigning/allocating/querying interface in specific order of udev net rules.

Jul 2019 – Present
Berkeley, CA

COMP SCI 198: Web Design DeCal – Course Instructor

- Teach a class of 120+ students the basics of web design through HTML, CSS, and JavaScript.
- Lead lectures, host weekly office hours, write/adjust curriculum, grade assignments.
- Adjusted all curriculum to fit online teaching environment for Fall 2020 semester.

May 2020 – Dec 2020
Berkeley, CA

Codeology – Director of Web

- Led a team of 10 people to work on a redesign of our club website during Summer 2020.
- Ensure continual development of useful features on our website.

Skills

Programming: Python, Java, C/C++, JavaScript, Golang, Swift, SQL, UNIX/Linux
Design: HTML/CSS, jQuery, Ruby, Wireframing, Prototyping
Tools: Figma, Adobe XD, Git, SQLite3, XCode, MS Office, Photoshop, Illustrator

Projects

HTML, CSS, JS,
Ruby, React

Codeology Website Redesign

<https://www.codeology.club/>

- Redesigned and updated website to reflect new projects and members for Fall 2020.
- Fixed DNS errors on Heroku; reduced slug size by 100 MB; updated setup configurations to support MacOS users.
- Pushed local updates with version control tools, which aided in collaboration and updates.

Golang

End-to-End Encrypted File Sharing System

- Utilized OOP and security principles in Golang to develop file sharing system like Dropbox.
- Wrote extensive tests to ensure correctness and computer security under various circumstances such as sharing/revoking permission of a file.