

Owen Halpert

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EDUCATION

University of California, Berkeley

Berkeley, CA

Bachelor of Arts in Computer Science, Music Minor

Aug. 2020 – May 2024

- GPA: 3.89
- Relevant Coursework: Data Structures and Algorithms, Structure and Interpretation of Computer Programs, Efficient Algorithms, Introduction to Artificial Intelligence, Foundations of Data Science, Discrete Mathematics and Probability Theory, Linear Algebra, Introduction to Cloud Computing, Database Essentials in AWS
- Involvements: Computer Science Mentors, BERKE1337 Cybersecurity, SUPERB Sneak Previews, Camp Kesem, Active for Alzheimer's

PROJECTS

Gitlet | *Java*

May 2022

- Developed a functioning version control system similar to Git with commit, reset, checkout, and merge commands
- Utilized File I/O libraries and SWE techniques to design and choose each data structure and algorithm effectively
- Implemented the "diffs" command which compares the contents of two commits through complex diff output

The Enigma Machine | *Java*

Feb. 2022

- Developed a working Enigma machine with full configuration, mirroring the device from World War II
- Utilized OOP, RegEx, Scanners, and JUnit testing to implement configuration parser and complex rotor system

Letterboxd Common Movies | *Python*

Dec. 2021

- Developed a command-line tool to fetch common movies between two or more Letterboxd users' watchlists
- Wrote a function to parse the Letterboxd HTML for an arbitrary number of users and compile their watchlists

EXPERIENCE

CS61A Course Staff

Aug. 2022 – Present

University of California, Berkeley

Berkeley, CA

- Official course staff position for Berkeley's introductory Computer Science class, CS61A, with over 1800 students
- Lead a weekly section of beginner students through a mini-lecture and help them through a relevant worksheet
- Walk students through weekly lab assignments in Python, helping them with conceptual ideas in programming

Wealth Management Intern

May 2021 – Present

Trace Wealth Advisors

Los Angeles, CA

- Lead monthly reporting in Excel for 22 individual investor accounts with assets totaling over \$100 million
- Identified and optimized inefficiencies in reporting strategy using cloud storage systems and data scraping tools
- Redesigned new client approach strategy with overhaul of slide deck copy and visuals, advised website designing

Growth and Operations Intern

Sep. 2020 – June 2021

Florian

Remote

- Headed outreach strategy to reach over 1000 unique alumni, find new investors, and build a network of mentors
- Generated alumni leads by utilizing an email blast program to set up personal meetings with 100+ investors
- Led a redesign and multiple revisions of an Excel-based CRM system to maximize organization and efficiency
- Compiled over 1000 student emails to market Florian's ISA program to new students at Berkeley and UCLA

Marketing Intern

Apr. 2018 – Jan. 2020

Star Tutors

Los Angeles, CA

- Innovated company marketing strategy by shifting focus from local parents to driven students around the world
- Established a YouTube presence and connected to new audiences in Reddit communities for the ACT and SAT
- Grew YouTube subscriber base by 400%, monthly app users by 200%, 5000% yearly increase in video watch time
- Advised marketing strategy and content creation for YouTube and curated Reddit posts and other social media

SKILLS, AWARDS AND INTERESTS

Skills: Python, Java, SQL, Scheme, Cloud Computing (AWS), Git, Excel, IntelliJ, VSCode, Jupyter, Numpy

Awards: Upsilon Pi Epsilon, Dean's List, Eilber Scholar, Harry J. Breithaupt, Jr. Scholarship, Renaissance Award

Interests: Puzzle hunts, escape rooms, improv, Tom Scott, cybersecurity, 99% Invisible, DJing, NYT Mini Crossword