

Wesley Weisenberger

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EDUCATION

University of California, Berkeley

Bachelor of Arts in Computer Science (CS)

August 2020 - May 2024 (Expected)

GPA 3.7

Relevant Coursework

The Structure and Interpretation of Computer Programs (**Python, Scheme**), Data Structures (**Java, Git**), The Foundation of Data Science (**Python, Numpy**), Advanced Linux System Administration (**Arch Linux, Apache/Nginx, Docker**), Discrete Math and Probability Theory, Designing Information Devices and Systems I & II (**Circuit design, Linear Algebra**)

SKILLS

Languages: Python, Java, Shell, HTML, CSS, Javascript, SQL, PHP

Tools: Git, Numpy, Matplotlib, Docker, Apache/Nginx servers, Linux systems/servers

PROJECTS & RELEVANT EXPERIENCE

“Gitlet” - A custom version control system

December 2021

CS 61B - Data Structures, UC Berkeley

- Custom version of Git build in Java
- Supports all basic git commands including commits, merges, and remote repositories.

Enigma Machine

October 2021

CS 61B - Data Structures, UC Berkeley

- Built a working version of the WW2 Enigma Machine in Java that could encrypt and decrypt text. Implementation was of the M4 machine, the Enigma machine used by the Navy, with the longest cipher period.
- Design included 5+ modular rotors, a plugboard, and customizable alphabets.

Weather Station

Personal Project

Fall 2018

- Designed a full-stack system to support a locally installed weather monitor.
- Custom designed circuit element and Arduino pushed data to a database on a locally hosted linux web server, accessible to the internet. Database populated with real-time weather data and computed graphs.
- Experience in HTML, PHP, SQL, Linux, C#, Javascript, Git.

LEADERSHIP & EXTRACURRICULARS

Eagle Scout

August 2009 - January 2020

- Facilitated meetings of 30+ Boy Scouts, teaching practical and wilderness skills.
- Planned and led backpacking trips of up to 14 days and 100 miles.

Jamba Juice

May 2021 - August 2021

- Experience in a fast-paced work environment where tasks needed to be done quickly and precisely. Promoted within three weeks after demonstrating superior leadership and organizational skills.