Wesley Weisenberger

Berkeley, CA | 805.270.6573 | wesley@berkeley.edu | github.com/wesleynw

EDUCATION

University of California, Berkeley, CA   **2020-Present**
Bachelor of Arts in Computer Science (CS)   **GPA 3.7**
Expected graduation in Spring 2024

Relevant Coursework: The Structure and Interpretation of Computer Programs (Python, SQL, Scheme), Data Structures (Java), The Foundation of Data Science (Numpy, Python), Advanced LInux System Administration, Discrete Math and Probability Theory, Designing Information Devices and Systems I & II (Circuit design)

SKILLS

Languages: Python, Java, SQL, mongoDB, HTML, CSS, Javascript, Shell scripting
Tools: Git, Numpy, Matplotlib, Docker, Nginx/Apache server, Linux systems/servers

PROJECTS & RELEVANT EXPERIENCE

Enigma Machine   **Fall 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.

Discord Bot   **Fall 2020 - Spring 2021**
Personal Project
- Built in Python and mongoDB using the Discord API
- A rapidly evolving bot to match the needs of a medium-sized discord server. Bot would process user interactions and calculate metrics about server and user usage.
- Experience in databases, APIs, asynchronous and parallel programming, and data manipulation in Python.

Weather Station   **Fall 2018**
Personal Project
- 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   **2009-2020**
- 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 environment where tasks needed to be done quickly and effectively. Promoted within 3 weeks after demonstrating superior leadership skills.