

# Wesley Weisenberger

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## EDUCATION

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**University of California, Berkeley**  
Bachelor of Arts in Computer Science

**Graduated:** May 2024  
**GPA:** 3.8

**Relevant Coursework:** Full Stack Development, Data Structures, Database Systems, Computer Architecture, Computer Security, Discrete Math & Probability Theory, Efficient Algorithms & Intractable Problems, Designing Information Devices and Systems, Principles of Data Science, Data Ethics, Advanced Linux System Administration, Operating Systems

## TECHNICAL SKILLS

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**Languages:** Rust, Python, Java, C, Go, React, Javascript/NodeJS, HTML, CSS, SQL, PHP, Swift, RISC-V Assembly  
**Tools:** Git, Linux, Docker, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn,  $\LaTeX$ , MongoDB, RegEx

## WORK EXPERIENCE

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**Software Engineering Intern**  
*Hone Health – New York, NY*

June 2023 – August 2023

- Created a dashboard project with a C#/.NET backend & Next.js frontend to organize and visualize patient data and analyze their movement/trajectory through their customer journey with lab results and doctor's appointments.
- Worked on a team to implement features, fix bugs in real-time, and manage platform stability through Azure DevOps in a quickly expanding start-up environment.
- Took on responsibilities for website redesign and brand refresh, collaborated with designers to restructure app design.

*Highlights:* C#/.NET, Next.js, Azure & Azure DevOps, Redis, CustomerIO, & Hangfire

**Computer & Data Science Student Researcher**  
*Under Professor Johnathan Marshall*

January 2023 – May 2023

- Developed classifiers and statistical models to identify patterns and anomalies in historical crime data.
- Constructed XML parsers to parse cases and to ensure old, irregular data was interoperable with Pandas/NumPy.
- Employed Text Data Mining & Analytics to make conclusions about and to verify hypotheses about the data.

## PROJECTS

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**Full-Stack Todo List & Scheduling App – React, Node.js, MongoDB**  
*Personal Project, available at wesleyweisenberger.xyz.*

Fall 2023

- Seamless account creation & login, session management handled by JSON Web Tokens, and a secure REST API backend that persists data in MongoDB, with data automatically being refreshed across signed-in devices.
- Intuitive, accessible, & dynamic frontend built from scratch allows users to add tasks with customizable due date and priority options, and later remove, sort, & edit these tasks with attention paid to responsive layouts on mobile devices.
- Self hosted on DigitalOcean as a custom configured production server using Nginx & Let's Encrypt.

**End to End Encrypted File Sharing System – Go**  
*Class Project*

Spring 2023

- Designed and developed an API that allows users to upload, append to, and delete files.
- API also supports secure file sharing between users and revocation of file access.
- Custom suite of tests written to ensure that file integrity and confidentiality were maintained even after any malicious actions were taken on the server.