

# Hannah S. Oh

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## Education

### University of California, Berkeley Electrical Engineering and Computer Science, BS

Aug 2020 - May 2024

Coursework: Operating Systems, Algorithms, Data Structures, Internet Protocols, Machine Structures, Database Systems, AI, Linux SysAdmin DeCal, Discrete Mathematics, Designing Information Devices and Systems

## Experience

### Software Engineer Intern | Meta

May 2022 - Aug 2022 New York City, NY

- Built a debug adapter for command line debuggers to communicate using Debug Adapter Protocol
- Refactored a VSCode extension to launch record-and-replay debug sessions in the IDE's debugging UI
- Multithreaded the server to enhance performance and manage multiple streams of input independently
- Integrated the product with existing tooling and enabled multiple launch methods for various use cases

### Production Engineer Intern | Meta

Jun 2021 - Aug 2021 Menlo Park, CA (Remote)

- Implemented relative computing resource units for future use in server inventory management systems
- Refactored scheduler to be cross-compatible with capacity requests of different resource types
- Enabled logging and created alerts and detectors to monitor invalid resource configurations

### Academic Course Staff | UC Berkeley EECS Department

Jan 2021 - May 2022 Berkeley, CA

- Led weekly reviews to reinforce student knowledge of machine architecture, high-level language support, and operating systems (I/O, interrupts, memory management, process switching)
- Aided students in conceptual application through projects, homework, and labs

## Management Experience

### Committee Director | ASUC Office of Senator Kim

April 2022 - Current Berkeley, CA

- Lead meetings for hosting on-campus speaker events and compile resources for rotating topics
- Represent students' public opinion on the topic at hand and advocate for appropriate official actions

### Vice President | OTTA United, a 501(c)(3) Organization

August 2019 - May 2021 Sunnyvale, CA

- Managed organizational planning for utilization and delegation of manpower and financial resources
- Applied for funding and grants as deemed necessary from the budget and major organizational goals
- Organization of hundreds of volunteers to produce face shields and face masks for Bay Area hospitals

## Projects

### Addepar EntitySearch Sept 2021

- Created an automatic cloud deployment of AWS OpenSearch, using its REST API for queries and uploads
- Developed a scalable search endpoint used in workflows in AMP for clients to handle large number of nodes

### Gitlet Mar 2021

- Built a custom version control system in Java from scratch, mimicking git
- Created a design doc with data structures, algorithms, and persistence for clear documentation
- Functionality includes init, add, commit, rm, log, global-log, find, status, checkout, branch, merge, reset, etc.

## Skills

Languages: Rust, Java, C, Python, RISC-V, SQL, LaTeX, C++, Lisp, React

Tools: Neovim, Git, Mercurial, Make, Terraform, VSCode, IntelliJ, Bash, Eclipse