

## Evelyn Vo

Based in Bay Area / Open to relocation

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### EDUCATION

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**University of California, Berkeley**

**Graduated August 2024**

*Bachelor's of Arts in Computer Science*

**Relevant Courses:** Data Structures, Software Engineering, Efficient Algorithms and Intractable Problems

### WORK EXPERIENCE

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**Data Insights Intern | 2nd Watch | Remote**

**June 2023 – August 2023**

- Collaborated with data engineers and cloud architects to design and deploy an automated AWS infrastructure provisioning tool using **Python** and the **AWS Serverless Framework**, enabling secure, client-specific resource creation to support scalable data workflows.
- Partnered with the client's data team to automate and optimize their ETL pipeline for **SQL Server** data ingestion using Python, reducing load time by **72%** and enhancing performance for downstream analytics.
- Worked closely with HR and operations teams to develop an interactive hiring analytics dashboard in **Power BI** using **DAX**, providing visibility into recruitment trends and referral bonus tracking; automated data refresh via **REST API** integration.
- Contributed to team's intellectual capital by drafting internal documentation on pipeline optimization strategies, tooling, and development workflows. Participated in team training sessions and applied hands-on skills in **Snowflake**, **SQL**, **Git**, and AWS Cloud Practitioner topics, with a focus on cloud-based data architecture, modeling, and analytics delivery.

**IT Technician | UC Berkeley IT | Berkeley, CA**

**January 2022 – December 2022**

*UC Berkeley IT*

- Led new hire training initiatives, overseeing curriculum development and delivery. Partnered with HR and IT leadership to streamline onboarding processes and ensure compliance with security protocols.
- Managed critical technical documentation for departmental projects and systems, supporting cross-functional teams in the execution of long-term IT infrastructure and operational initiatives.
- Delivered frontline IT support leveraging ServiceNow, Active Directory, and network administration tools. Ensured prompt issue resolution, improved service efficiency, and contributed to maintaining enterprise-wide system integrity.

### PROJECTS

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**Political Candidate ActionMap | Ruby on Rails, HTML, JavaScript, Agile, RESTful API**

- Collaborated with 1 team member to develop and deploy **full-stack web application** that allows users to search for political candidates in a U.S. state or county. Users can aggregate, view, and share related news articles. Implemented in a RESTful application programming interface using **Ruby on Rails** with **SQL** and ActiveRecord ORM (**relational database** tool) following **Agile life cycle** and **test-driven development**. Tests written with Capybara and Cucumber gems.

**PintOS Operating System | C, Docker, RISC-V Assembly, Operating Systems**

- Collaborated with team members to extend a bare-bone **OS** with ELF executable loading, a small syscall interface for process control and file system methods, a strict priority scheduler with priority donation for deadlock avoidance and **multithreading** capabilities, alongside a conditional variable based buffer cache for speeding up I/O and an extensible file system with sub-directories constructed with inodes.

**Gitlet | Java, Test-Driven Development**

- Developed **Java version control system** that supports **Git** commands such as `git commit` and `git merge`. Utilizes **HashMaps** and SHA1 hashes to efficiently track file changes and commits. Developed following **test-driven development**.

**ChocoPy Interpreter | Java, JFlex, CUP, Python**

- Developed a statically typed subset of **Python** compiler with **Java's** JFlex and CUP's parser generator combined with semantic analysis and code generation via **RISC-V architecture**. Deployed a multi-core test harness in **Python** that handles file input and hanging tests for a more robust development cycle. Enabled code-size and run-time metrics to benchmark.

### SKILLS

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- Java, Python, C, SQL, Ruby on Rails, Git, GDB, RISC-V Assembly, HTML, CSS, JavaScript, Snowflake, JSON