# Joseph Vo

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## EDUCATION

- **University of California, Berkeley** — Berkeley, CA
  *Bachelor of Art in Computer Science and Data Science* — *Expected Graduation: Dec 2024*
- **De Anza College** — Cupertino, CA
  *Associate's Degrees in Math and Computer Science* — *Sept. 2020 - Aug. 2022*

## SKILLS

- Languages: Go, Java, C++, Python, SQL, Assembly, HTML/CSS, R, Ruby, JavaScript, LaTeX
- Libraries: pandas, NumPy, Matplotlib, Sci-kit Learn, TensorFlow
- Frameworks: React, Node.js, JUnit, MongoDB, NoSQL
- Developer Tools: Git, VS Code, IntelliJ, Google Cloud Platform, R Studio, Heroku
- Workflow: Jira, Atlassian, Okta, Confluence

## PROJECTS

- Cryptographically Secure File-Sharing Application
  - Collaborated with a partner to allow users to create, edit, and share files
  - Developed sharing, revoking, upload, and download features
  - Files were cryptographically secured to detect any malicious activity
  - Encrypted using symmetric encryption (AES-CTR), asymmetric encryption (RSA), hash-based MACs, signatures, and certificates
- Interactive 2D Game
  - Developed a 2D grid survival game with multiplayer interactivity in Java
  - Implemented pseudorandomly seed generated worlds with hallways and rooms
  - Programmed saving and loading options to allow users to resume where they left off
- Wordnet
  - Designed an interactive database of word relations using graphs and hashmaps in Java
  - Parsed through data files to establish relations between words and connect them in the graph
  - Allowed for multi-word inputs, output of N words based on frequency and count, and overlap of word relations
- RottenPotatoes
  - Built a RottenTomatoes copycat using Ruby, HTML, CSS, and SinatraProgrammed checkboxes to allow for MPA film ratings
  - Implemented sorting by director, release date, and rating
  - Allowed users to edit descriptions and data about the movies with interactive buttons

## EXPERIENCE

- **Bay Area Community Resources** — San Jose, CA
  *Public Health Intern* — *Jan 2021 - Jan 2022*
  - Arranged meetings with local leaders to advocate for anti-smoking policies on community college campuses
  - Successfully passed a smoking ban on De Anza College Campus after a year of lobbying
- **California Native Plant Society** — San Jose, CA
  *Treasurer* — *May 2020 - Oct 2022*
  - Served as a board member of the Santa Clara Valley Chapter
  - Generated quarterly financial statements and categorized transactions using QuickBooks
- **Esper** — San Jose, CA
  *Administrative Assistant* — *March 2022 - July 2022*
  - Automated COVID-19 test sign-ins using Google Forms
  - Scraped data from travel websites to generate average flight and hotel prices for Bellevue, WA and San Jose, CA
  - Performed weekly inventory of office supplies and input into a living inventory document