

# Joey Rose

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## EDUCATION

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**Occidental College** Los Angeles, CA  
*Bachelor of Arts in Computer Science* May 2022  
Cumulative GPA: 3.9 | Dean's List 2018 – 2022 | Co-President of [Oxy Open Source](#)

## SKILLS

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**Languages:** Python, Java, Go, SQL, JavaScript, HTML, CSS

**Tools:** AWS, Google Cloud, Docker, Kubernetes, Flask, Node.js

## EXPERIENCE

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**VMware** Palo Alto, CA  
*Software Engineer Intern* May 2021 – Aug 2021

- Developed and modified **10+** CLI commands in **Go**, allowing users to learn about API resources, pause reconciliation on a defined resource, and toggle log output verbosity
- **Refactored codebase** to align with Kubernetes API conventions
- Rewrote unstable acceptance and system tests, improving CI pipeline reliability by **over 10%**

**Promethium** Menlo Park, CA  
*Software Engineer Intern* Jan 2021 – May 2021

- Designed and created multi-tenant capable, **free trial offering** of product using AWS Cognito, Lambda, S3, EC2, and CloudFront
- Developed multi-tenant **ELT pipeline** using AWS AppFlow, AWS Glue, Snowflake, and Redash, acting as **10x cheaper** alternative to Trino

**Promethium** Menlo Park, CA  
*Software Engineer Intern* May 2020 – August 2020

- Programmed **backend API** that uses an AWS Lambda Stepfunction, DynamoDB job table, and S3 to run asynchronous SQL queries **2x faster**
- Created **website** that visualizes status of 10+ GitLab repository pipelines and code coverages
- Wrote unit tests for SQL query API, increasing code coverage by **80%**
- Carried out **smoke and regression tests** to evaluate the efficacy of product components

**Occidental College** Los Angeles, CA  
*Prospect Research Intern* May 2019 – May 2020

- Developed **Python** script to extract gift matching information on ~1,300 companies and **identify 300+ undetected alums** working at such companies
- Created tool using Python to visualize **paths of relatedness** between any two members in database
- Worked in Oracle SQL Developer extensively, **querying school database** on a daily basis

## PROJECTS

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[oxyos.github.io](#), **Oxy Open Source, Occidental College** – *Project Lead*

- Leading a team of 3 to modernize club website
- Made site **responsive**, integrated club calendar, and fixed numerous bugs

**NBA Clutch Project** - *Creator*

- Web app with **Flask** backend, visualizes data from stats.nba.com to compare clutchness amongst players
- Supports the comparison of up to 5 players across **20+ different stats**

**Oxy Confessions Project** - *Creator*

- Web app with **Node.js** backend, displays word frequencies across **22,000+ posts** in milliseconds
- Backend safely generates **parameterized SQL queries** to pull records from a MySQL table