Joey Rose

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EDUCATION

Occidental College   Los Angeles, CA
Bachelor of Arts in Computer Science, minor in Mathematics   *Expected May 2022*
Cumulative GPA: 3.88 | Dean's List 2018 – Present | Co-President of Oxy Open Source

SKILLS

Languages: Python, Java, Go, SQL, JavaScript, HTML, CSS
Tools: AWS, Google Cloud, Docker, Kubernetes, Flask, Node.js

EXPERIENCE

VMware   Palo Alto, CA
Software Engineer Intern   *May 2021 – Aug 2021*
- o 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
- o **Refactored codebase** to align with Kubernetes API conventions
- o Rewrote unstable acceptance and system tests, improving CI pipeline reliability by **over 20%**

Promethium   Menlo Park, CA
Software Engineer Intern   *Jan 2021 – May 2021*
- o Designed and created multi-tenant capable, **free trial offering** of product using AWS Cognito, Lambda, S3, EC2, and CloudFront
- o 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*
- o Programmed **backend API** that uses an AWS Lambda Stepfunction, DynamoDB job table, and S3 to run asynchronous SQL queries **2x faster**
- o Created **website** that visualizes status of 10+ GitLab repository pipelines and code coverages
- o Wrote unit tests for SQL query API, increasing code coverage by **80%**
- o 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*
- o Developed **Python** script to extract gift matching information on ~1,300 companies and **identify 300+ undetected alums** working at such companies
- o Created tool using Python to visualize **paths of relatedness** between any two members in database
- o Worked in Oracle SQL Developer extensively, **querying school database** on a daily basis

PROJECTS

oxyos.github.io, Oxy Open Source, Occidental College – *Project Lead*
- o Leading a team of 3 to modernize club website
- o Made site **responsive**, integrated club calendar, and fixed numerous bugs

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

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