

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: 3.90 | Dean's List 2018 – Present | 2018 Occidental Computer Science Promise Student Award

Relevant coursework: Data Structures, Databases, Human Computer Interaction, Natural Language Processing, Geometric Optimization, Knowledge Representation and Reasoning, Computer Organization

SKILLS

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

Tools: AWS Lambda, Flask, Node.js, Pandas

EXPERIENCE

Oxy Open Source, Occidental College

Los Angeles, CA

Co-President

Aug 2020 – Present

- **Leading a remote team of 7** to provide resources and opportunities for students in tech
- Student representative in computer science department meetings
- Revised club operations to function in a remote setting, recruited **30+** new members, increased total club event count by **1.5x**, and cultivated 5 new club projects

Promethium

Menlo Park, CA

Software Engineering 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 at a glance
- Wrote unit tests for SQL query API, increasing code coverage **80%**
- Carried out **smoke and regression tests** to evaluate the efficacy of product components before their release

Occidental College

Los Angeles, CA

Prospect Researcher

May 2019 – May 2020

- Developed **Python** script that used Selenium and BeautifulSoup to extract gift matching information on ~1,300 companies and **identify 300+ undetected alums** working at such companies
- Found **50+** deceased alums not yet detected with named-entity recognition and cross-references with ~30,000 alums using minimum edit distances
- Created **Python** script that visualizes shortest path of relatedness between any two school affiliates

Occidental College

Los Angeles, CA

Data Research Technician

Sep 2018 – May 2019

- Updated records in Oracle SQL Developer database

PROJECTS

oxyos.github.io, Oxy Open Source, Occidental College – Project Lead

[Link to site](#)

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

NBA Clutch Project - Creator

[Link to repo](#)

- 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

[Link to site](#)

- 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