

# 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

### 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 SQL queries asynchronously **2x faster**
- Created website that visualizes status of 10+ GitLab repository pipelines and code coverages at a glance
- Evaluated the efficacy of product components before their release via **smoke and regression tests**
- Wrote unit tests for SQL query API, increasing code coverage **80%**

### Oxy Open Source, Occidental College

Los Angeles, CA

*Co-President*

*Aug 2020 – Present*

- **Leading a team of 7** to provide resources and opportunities for students in tech
- Voicing student input in computer science department meetings, executing club's mission to foster inter-departmental collaboration, recruiting new members, and leading workshops

### 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 StanfordNERTagger 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 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