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 | 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, Git, GitHub, GitLab, JIRA

EXPERIENCE

Promethium   Menlo Park, CA
Incoming Software Engineering Intern   *Jan 2021 – Present*
- Received return offer to continue backend development work

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 four 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 Research Intern   *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 using named-entity recognition and cross-references with ~30,000 alums using minimum edit distances in **Python**
- 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

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