



Joey Rose

Full-stack software engineer seeking to improve product usability and performance.

WORK EXPERIENCE

Promethium

Menlo Park, CA

Software Engineering Intern

May 2020 – August 2020

- Programmed backend architecture upon which company runs SQL queries asynchronously, allowing customers to run long-running queries with 2x faster execution times
- Led effort toward utilizing ELT tool called Meltano, worked with senior engineers to determine fit
- Evaluated and tested the efficacy of product components before their release
- Created website that visualizes status of 10+ repository pipelines and code coverage at a glance, used by many project managers
- Leveraged mature BI tool called Superset as company's preliminary step toward uploading .csv and .xlsx files as data sources and validating SQL statements

Occidental College

Los Angeles, CA

Prospect Researcher

May 2018 – Present

- Developed Python script that used Selenium and BeautifulSoup to extract gift matching information on ~1,300 companies and decipher whether Oxy alums currently work there
- Found 50+ deceased alums not yet detected with StanfordNERTagger and cross-references with ~30,000 alums using minimum edit distances
- Utilized Selenium to automate searches and text extraction within google.com, forbes.com, nytimes.com, and legacy.com, sites commonly used to conduct research
- Created Python script that visualizes shortest path of relatedness between any two school affiliates

PROJECTS

NBA Clutch Project

[Link to repo](#)

Web application

December 2019 – January 2020

- Web app that leverages Flask backend to pull wealth of data on NBA players in clutch circumstances directly from NBA.com and visualize it in a comprehensible manner, allowing users to settle the age-old argument: who's more clutch?

Oxy Students' Attitudes Toward Various Topics

[Link to site](#)

Web application

June 2019 – August 2019

- Website with interactive graph that uses Node.js backend to display the words students use when discussing various topics on an anonymous Facebook page. As a result, the attitudes of Occidental College students toward various topics may be loosely extrapolated from 22,000+ posts in milliseconds

EDUCATION

Occidental College

Major in Computer Science, minor in Mathematics

Los Angeles, CA, expected May 2022

- GPA: 3.9
- Dean's List, Occidental Computer Science Promise Student Award
- Co-President of Oxy Open Source, Oxy's largest CS club
- Relevant coursework: Knowledge Representation and Reasoning, Databases, Natural Language Processing, Human Computer Interaction, Geometric Optimization and Applications, Data Structures, Computer Organization, Fundamentals of Computer Science

TECHNICAL SKILLS

Languages

Python, Java, SQL, JavaScript, HTML5, CSS3

Frameworks

AWS Lambda, Flask, Node.js