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
- Relevant coursework: Data Structures, Databases, Human Computer Interaction, Natural Language Processing, Geometric Optimization and its Applications, Knowledge Representation and Reasoning, Computer Organization, Fundamentals of Computer Science

TECHNICAL SKILLS

Languages	**Frameworks**
Python, Java, SQL, HTML, CSS, JavaScript	AWS Lambda, Flask, Node.js