Lily Shellhammer

lily.shellhammer@gmail.com | (541)-740-8581 | linkedin.com/in/lily-shellhammer

Technical Skills

Javascript, JQuery, Django, Python, React, SQL, Java, Grunt, Git, ElasticSearch, PostGres, SQLAlchemy, Python, Airflow, Bash, Docker, Headless Browsers, Confluence, Web Scrapers, AWS, Jira, HTML, CSS, Bootstrap

Experience

Senior Software Engineer
January 2023 - Present
Marinus Analytics
Pittsburgh, PA

- Designed, coded, and launched the Advanced Analytics page for Marinus Analytics flagship tool, TrafficJam, for data trending and insights.
- Responsible for refactoring and modernizing TrafficJam's front end from JQuery to ReactJS resulting in improved page functionality and responsiveness.

Software Engineer
July 2019 - January 2023
Marinus Analytics
Pittsburgh, PA

- Independently refactored and maintained TrafficJam's image similarity tool SimSearch.
- Designed and programmed the following pages: Finding Potential Missing Juveniles, Monitoring Site Analytics, Map Area Search Page.
- Created and deployed web crawlers to collect online escort advertisement data.
- Full stack engineer responsible for developing, debugging, testing, and documenting.

Undergraduate Research Assistant
May 2018 - August 2018
REU-SE, Carnegie Mellon University
Pittsburgh PA

- Researched graphics optimization for ideal shape placement on Penrose diagrams.

Projects and Publications

Ninkasi Brewing Application
September 2018 - May 2018

- Designed and implemented a web app for brewery data collection and tracking per Brewery employees specifications using SQL, Vue.js, HTML, and CSS.

Story Programming Lab
August 2018 - May 2019
Oregon State University
Corvallis, OR

- Teaching Assistant [CS 160] and collected student data to measure outcomes of Story Programming teaching method.
- Parham-Mocello, J., Ernst, S., Erwig, M., **Shellhammer, L.**, and Dominguez, E. *Story Programming: Explaining Computer Science Before Coding*. ACM Symp. on Computer Science Education, 379-385, 2019. https://dl.acm.org/doi/10.1145/3287324.3287397

Education

Oregon State University
Corvallis, Oregon
B.S. Computer Science (GPA 3.69)
January 2015 - June 2019