Yi (Sherry) Yang

Seattle • sherryyiyang@gmail.com• (206)-503-7654

EDUCATION

University of Washington, Paul G. Allen School   **Seattle, WA**
Bachelor of Science - Computer Science   Sep 2020 - Jun 2024
Cumulative UW GPA: 3.92/4.00, Dean's List

SKILLS

Programming Languages: Python, Java, JavaScript, SQL, HTML, CSS, C
Libraries/Frameworks: Flask, React, Node.js, Spring Boot
Databases & Tools: PostgreSQL, MongoDB, AWS, Git, Unix Command Line

WORK EXPERIENCE

Investbase   **Seattle, WA**
Software Engineer   Jun2024 – Apr2025
- Built and shipped full-stack features for two web products, using **React.js**, **HTML/CSS**, and **Node.js** on the frontend; **Flask** and **SQLAlchemy** on the backend; and **PostgreSQL** as the primary database, integrating both **GraphQL** and **RESTful APIs** for client-server communication.
- Developed and maintained features including investment workflows, document signing, referral systems, GP/LP profiles, offerings page, property management system, billing flow, and dashboard discovery.
  - Familiarity with scalability, concurrency, API design, data modeling, and distributed systems fundamentals
- Integration of Advanced Technologies and Operational Leadership. Utilized **AWS S3** for asset storage and static resource management, and **Heroku** for application deployment and performance monitoring. Managed continuous integration and deployment pipelines (CI/CD), ensured high test coverage (approximately 90%), and led real-time system monitoring with **Datadog**.
  - Actively participated in on-call rotations, providing critical support and maintaining system reliability.

Cash Flow Portal   **Seattle, WA**
Software Engineer Internship   Jun2023 - Sept2023
- Full-stack developer for a real estate investing marketplace web application, with a backend based on Python **Flask** and a frontend based on **JavaScript, Node.js, HTML**, and **CSS**.
- Implemented core features including Insight page, Dashboard, Connection lists, Global Search bar, YouTube video synchronizer, Slack notification trigger, Document update drawer.
- Implemented automated unit testing, Engaged in **CI/CD**, code reviews, version control systems (**Git**)

HelloRide   **Beijing, China**
Data Analyst Internship   Sept2021- Dec2021
- Utilized tools such as **SQL**, **Python**, and Excel to analyze Event Tracking Data from users' mobile devices. Leveraged this data to predict hot-areas and peak times. This analysis aided the operations team in optimizing bike supply, resulting in a 10% increase in turnover during peak periods.

PROJECT EXPERIENCE

Bactrack - Wiggins Lab: SupperSegger-Omnipose   **Seattle, WA**
Developer   Jun2023 - Feb2024
- Developed the Python package Bactrack, a biophysics tool for tracking cell motion and division.
- Backtrack uses **Deep learning-based** segmentation and **motion tracking (MOT) algorithms.**
- Integrated **SSN** (Spatiotemporal Sequence Networks) for improved cell tracking and segmentation of E. coli microscope data, optimizing tracking accuracy and performance. Optimized deep learning model performance for biological datasets using **PyTorch, NumPy, OpenCV, scikit-image**.
- Implemented **CI/CD pipelines**, performed unit testing, and deployed the package via PyPI. Focused on enhancing the deep learning model for better motion tracking in biological datasets.

Precovery -Asteroid Institute Program of B612   **Seattle, WA**
Developer   Jun2021- Sep2022
- Precovery of planetoids is a census of minor planets in by optimize condense data searching algorithm.
- Utilized **Python, SQL**, bash, and Git to process raw data and enhance the ADAM database. Expanded the database by 20%, adding over 500 million objects and 5 billion observations.