Yingying Xu

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TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML5, CSS, SQL, MySQL, GraphQL, ROS, Swift, ReactJS
Technologies: AWS, Google Cloud Platform, Cloud Computing, CI/CD, Flask, Bootstrap, Postman, Node.js, Docker, Git, Xcode, Pandas, NumPy, Scikit-learn, Seaborn
Expertise: Frontend, Backend, Full Stack Development

EDUCATION

University of Texas at Austin Austin, TX
B.S in Computer Science, (Minor Business) GPA: 3.81/4.0 *Aug. 2019 – May 2024*

EXPERIENCE

Honeywell May 2023 – Aug 2023
Cyber Security Engineer, Intern *Houston, TX*
- Developed an innovative internal software automation tool using **Python** with JavaScript UI, enhancing firewall mapping and security, reducing **CSVA (Cybersecurity Vulnerability Assessment)** time by **24 hours**, with a projected savings of over **$1 million.**
- Collaborated with the Industrial Cybersecurity team to identify and shield customers from potential **cyber threats**, enhancing client's digital security   .
- Engaged in **performance testing, problem-solving**, and **debugging** for internal software to bolster the security infrastructure.
- **Monitored** network traffic for suspicious behavior and investigated security breaches to mitigate of **cyber threats**.

Anti-Eviction Mapping Project | *Research Assistant* Jan 2023 – Now
- Conducted extensive research and collected over 5000+ eviction records using GraphQL to build a comprehensive database on the worst evictors in the Bay Area and New York.
- Utilized **TypeScript** to develop an intuitive and user-friendly front-end interface that visualizes the data extracted from the Evictor-book API. Additionally, used Figma to design the UI/UX from scratch.
- **Optimized the data collection process** to incorporate the latest reports and usage data, resulting in more accurate and insightful analysis of the evictors and their impact on the community.

China Telecom June 2021 – Aug 2021
Full Stack Engineer, Intern *Lanzhou, China*
- Enhance in user experience with **ReactJS** by facilitating improving user login interactions, and data strategies on website
- Implemented an **LDAP protocols** to allow users to log in and save custom charts, graphs, information, and queries, resulting in a **30%** increase in user engagement and a **10%** reduction in drop-off rates.
- Upgraded legacy code with **JavaScript** to improve compatibility for better visual performance and overall stability on modern browsers and mobile devices

Lanzhou Data Management Bureau Dec 2020 – Feb 2021
Data Engineer Intern *Lanzhou, China*
- Maintained and enhanced record-keeping systems using **MySQL**, achieving a **10%** surge in data retrieval efficiency and employed data science tools like **Pandas**, **Numpy**, **Seaborn**, and **Scikit-learn** to analyze datasets.
- Leveraged **DevOps** and **Agile** practices to enhance customer-corporate feedback channels, resulting in a **25% increase** in positive feedback and improve decision-making.

PROJECTS

UT Austin Urban Information Lab June 2022 – August 2022
Software Development Engineer, Research Assistant *Austin, TX*
- Integrated from over **40+ U.S cities' open data resources** and established **SQLite** database for user search
- Utilized **Python to streamline the data** from various topics and generate technical documents to show the data distribution and interconnection.
- Interacted with US government open data sites through **REST APIs** and GIS system (ArcGIS, CKAN, Socrata)

Decentralized Application | *Levels Hackathon 2nd places* October 2021
- Built a web app with **ReactJS** for customers to obtain personalized **NFT** rewards (coupons, artwork) based on the interaction between **Ethereum chain** and smart contract.

MENTORSHIP

- Computer Science Teaching Assitant: Programming | Data Structure and Algorithms | Robotics | iOS