

Weiguang (Seraphine) Wu

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Education

School: University of California, Irvine

Anticipated Graduation: December 2024

Degree: B.S. in Computer Science

GPA: 3.55 (Dean's Honor List for 8 quarters)

Relevant Coursework: Data Structure Implementation and Analysis, Introduction to Software Engineering, Data Management, Machine Learning / Data Mining, Information Retrieval, Project in Database and Web Application

Skills: Java, C/C++, C#, Python, HTML, CSS, JavaScript, SQL, Git/GitHub, MongoDB, Express.js, React.js, Node.js, MySQL, ASP.NET

Experiences

Business Intelligence Intern Developer - Temco Logistics, Pomona, CA **June 2024 - Present**

- Created responsive, scalable web solutions by leveraging technologies including C#, ASP.NET, MySQL, Azure, and Bootstrap.js
- Developed two software applications designed to streamline business operations that will be utilized daily by thousands of managers and employees nationwide and eliminate 8 hours of weekly manual administrative work for every manager.
- Presented project updates and functionality to upper management weekly, demonstrating the practical impact of the software on business operations.

STEM Tutor

2023 - 2024

- Tutored two students on Computer Science and AP Statistics for two students by creating tailored lesson plans and adjusting methods based on feedback.
- Helped students prepare for exams through concept reviews, problem-solving practice, and mock exams.

Projects

Fabflix Movie Database Web App – Course Project

October - December 2023

- Developed full-stack architecture with AWS, MySQL, Tomcat, and JDBC, including a web and an Android frontend using Java, JavaScript, jQuery, AJAX, and RESTful APIs.
- Expanded the movie database size by 100% by developing an ETL pipeline to parse XML files and storing parsed data into the database
- Increased user experience and application security by Implementing features utilizing HTTPS, cookies, reCAPTCHA bot detection, and SQL injection protection.

Cyber Verification Lab - Capstone Project Sponsored by RTX

January - June 2024

- Contributed as a backend developer in a five-person team using the MERN stack to build a web application for streamlining the supply chain security verification process.
- Greatly reduced the time required for managing multiple teams by developing features for data searching, sorting, and tracking assets and employee roles.