Sam Zhu

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Work Experience

Texada Software - Software Engineering Intern | *Angular, .NET, Microsoft SQL Server*
May 2024 - Aug 2024
- Provided maintenance and enhancements in 14 different applications for over 20 construction dealerships
- Worked with clients to identify and fix issues in sandbox and production servers using tools such as the SQL profiler to reduce the number of locally irreproducible bugs in the backlog by 10%
- Regularly developed stored procedures, migration and configuration scripts to support business logic, and enhance processing speed

AutoTrader - Software Architecture Intern | *Angular, .NET Core, Microsoft SQL Server*
May 2023 - Sept 2023
- Worked collaboratively to develop a new business application that improved data transfer between big query and salesforce marketing cloud allowing for the creation of custom marketing campaigns
- Made improvements to a management portal that documented existing technologies, user applications, and project experts reducing the number of bugs by 20%
- Presented a proof of concept integration of third party tools as suggestions to extend functionality in existing applications

Shoplogix Inc - Software Developer Intern | *Typescript, Reactjs, .NET Core, Postgres*
Sept 2022 - Dec 2022
- Led the development of an improved analytics dashboard which optimized how manufacturing data was processed and reduced the page load time by 50%
- Developed a custom, interactive timeline capable of navigating 3+ years of archived data, which earned client praise for its intuitive design and functionality
- Implemented unit tests in jest to provide coverage for new changes resulting in a 10% increase in test coverage for the overall application.

Projects

ResourceEdu - Storage Drive | *Reactjs, Spring Boot, MySQL, AWS*
- Created a cloud based storage drive with a user interface which provided better organization and file search allowing users to save and retrieve files intuitively from their accounts

Education

University of Waterloo - Honors Biomedical Engineering, BASc   Sept 2020 - Apr 2025
- Relevant Coursework: Data Structures & Algorithms, Networking, Systems Programming and Concurrency, Digital Systems, Control Systems

Technologies

- **Frameworks/Libraries:** Reactjs, Angular, UI Libraries, .NET, Spring/Spring Boot
- **Tools:** Git, AWS, Docker, Postman, Build Tools, Database Management Systems and Tools
- **Languages:** Javascript, Java, C#, SQL, Python, C