# Sam Zhu

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## Summary

- **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,

## Work Experience

### Texada Software - Software 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 various tools such as SQL profilers to determine the root cause of problems
- Regularly developed stored procedures, created migration and configuration scripts to support business logic, analyze data, and improve data integrity

### AutoTrader - Software Architecture Intern | *Angular, .NET Core, Microsoft SQL Server*

May 2023 - Sept 2023

- Developed a new business application that streamlined the process for transferring data between big query and salesforce marketing cloud
- Worked collaboratively with other interns to create a new web app which documented existing applications, use cases and subject matter experts
- Presented a proof of concept integration of third party tools in existing applications

### Shoplogix Inc - Software Intern | *Typescript, Reactjs, .NET Core, Postgres*

Sept 2022 - Dec 2022

- Led the development of an improved analytics dashboard to optimize how manufacturing data is displayed and reduced page load times by 50%
- Created an interactable timeline to help clients navigate archived manufacturing data spanning over 3 years
- Implemented unit tests in jest to provide coverage for new changes which resulted in a 10% increase in test coverage in the manufacturing application.

## Projects

### ResourceEdu - Storage Drive | *Reactjs, Spring Boot, MySQL, AWS*

Jan 2022 - Apr 2022

- Developed a storage drive that saves files into S3 buckets using pre signed urls
- Implemented basic auth with spring security to secure user data and session information

## 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