Anson Tang

4B Honours Computer Engineering

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About Me

Technical Skills C#, .NET, Git, Azure, Oracle DB, SQL Server, Bash, HTML/CSS, Python, C/C++
Languages Conversational Proficiency in Cantonese
Interests Sneakers/Reselling, Soccer, Basketball, Music, Photography

Education

University of Waterloo   Waterloo, ON (2017–2022 Expected)
- Candidate for Bachelor of Applied Sciences

Work Experience

Software Developer (Cloud)
Geotab   Kitchener,ON (Present)
- Developed the SmartCharge Manager infrastructure hosted on Microsoft Azure (Application Insights, AKS, SQL Server)
- Implemented C# code to use Azure App Scheduler to stop/start EV charging and store electrical demand responses and data in SQL database real-time
- Migrated SmartCharge Manager application from Service Fabric to Azure Kubernetes

Software Developer (Quality Assurance Platform)
Miovision   Kitchener,ON (September 2020 – December 2020)
- Developed asynchronous server side feature toggle to enable server/client video sending
- Designed and developed automated unit test cases using NUnit Testing Framework
- Developed and linked server side .NET code with front-end WPF code
- Worked with Terraform and AWS SSM parameter stores to automate deploying releases

Software Developer (Traffic Engineering)
Miovision   Kitchener,ON (January 2019 – April 2019)
- Created a performance load test using Gatling, Postman, and Scala scripts to simulate users login at various times of the day
- Developed a HTTP endpoint listener to C# server to load test at client task fetching processes

Data Developer Co-op
Loblaw Companies Limited   Brampton,ON (May 2019 – August 2019)
- Developed Oracle/MySQL database and backend infrastructure of warehouse inventory control application
- Re-engineered database queries to optimize Oracle database and application (Appian) load management
- Created C# scripts to automate Microsoft D365 tasks such as adding users and managing user roles

Computer Engineering Co-op
Woodbridge Foam Group   Mississauga,ON (September 2018 – December 2018)
- Set up Impinj RFID reader software infrastructure to detect zone transition for manufacturing parts
- Implemented and developed .NET application utilizing message queueing (AMQP 1.0) to receive real-time events from RFID reader
- Sent messages and data to Azure cloud platform for time series analytics and SQL data store

Computer Programmer Specialist
Regional Municipality of York   Newmarket,ON (January 2018 – April 2018)
- Developed and automated water and wastewater facility calculations in PL/SQL
- Added new features, such as calendars and dashboards, using HTML, CSS, and Javascript

Personal Projects

Walmart Stock Monitor
- Used Puppeteer, Node, and Discord.js to make a program to check if a product is in stock or out of stock and send webhook to Discord server