

# Wilson Wang

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University of Waterloo | 3B Computer Science

## Skills

**Languages:** C++, C#, Java, Python, JavaScript, TypeScript, SQL, HTML

**Technologies:** Angular, .NET, NestJS, Kubernetes, Moq, NSubstitute, Git, Android Studio

## Work Experience

**SOFTWARE DEVELOPER INTERN** | Geotab Inc.

May 2021 – Aug. 2021

- Implemented features on backend applications using **C#** to enhance vehicle trip calculations
- Re-designed the data ingestion service to provide more time-accurate data for vehicle status
- Created unit and system tests to ensure reliability of new features, using **Moq** and **NSubstitute**
- Performed and monitored deployment to production environments
- Helped plan and organize team priorities in an Agile team setting

**INTERN FULLSTACK ENGINEER** | Uptake Canada

Jan. 2020 – Apr. 2020, Sept. 2020 – Dec. 2020

- Designed and built API endpoints using **NestJS**
- Investigated and debugged issues across multiple **.NET** applications
- Learned and utilized **SQL** to manage database information and fix stored procedure logic
- Wrote unit tests ensuring 100% code coverage using **Jest**

**SOFTWARE DEVELOPER INTERN** | BMO Financial Group

May 2019 – Aug. 2019

- Created a RESTful API using **Spring Boot** to search a remote database, returning a JSON object of matches
- Developed a front-end demo UI using **Angular** to display name suggestions in a dynamic autocomplete box
- Used **Java** to implement a B-Tree data structure to store 5,000,000+ customer names
- Created and optimized a robust and efficient customer-name searching algorithm

## Projects

**SLOT MARKET**

- Created an **Android** application that generates and provides live information for stocks traded on the IEX
- Implemented information collection from a **RESTful** API by creating GET requests and parsing JSON objects

**FANTASY ESPORTS WEBSITE**

- Used **Angular** to create a “League of Legends” fantasy league web application
- Set up a **SQL** database to store team and player information
- Created API endpoints to communicate with a remote database using **NestJS**

## Education

**University of Waterloo**

Sept. 2018 – Apr. 2023 (expected)

- Candidate for Bachelor of Computer Science