

# Jason Zhou

✉ jason.zhou@uwaterloo.ca | 🌐 <https://github.com/ZhouJas> | 💼 <https://linkedin.com/in/zhouljas/>

## Education

### University of Waterloo

BACHELOR OF SOFTWARE ENGINEERING

- Cumulative GPA: 88.36%

Waterloo, Ontario

2020 - 2025

## Skills

### Languages

C, JavaScript, Python, C#, Java, HTML/CSS, TypeScript, PHP

### Technologies

Node.js, Angular, MongoDB, Git

## Work Experience

### Idea Notion Development Inc.

Markham, Ontario

FULLSTACK INTERN, **ANGULAR, TYPESCRIPT, AZURE, C#, PHP**

Jun. - Aug. 2020

- Developed Azure-based chatbot webapp used by **20+ car dealerships**, with Angular frontend and C# backend
- Enhanced bot reliability by writing integration test cases for AI chatbot in C# on the .NET framework and performing manual integration tests on Microsoft Bot Framework Emulator
- Facilitated custom-order capability on WordPress e-commerce site 📈 generating over **\$20400** in revenue
- Updated bot database by adding data for 50+ vehicle models on Azure Storage Explorer

FRONTEND INTERN, **ANGULAR, TYPESCRIPT, AZURE, C#**

Jun. - Aug. 2019

- Created a statistics page capable of tracking bot-user engagement for all 20+ dealerships while **integrating feedback** from service admin into development, receiving positive response from end-user
- Reduced time for managing multiple chat windows by implementing multi-select on chatbot conversations
- Improved chat management tool usability by redesigning toolbar layout to be more compact

## Projects

### CryptoPi 📁

**JAVASCRIPT, AZURE, NODE.JS, MONGODB**

Sep. 2020 - Dec. 2020

- Led service backend development to process REST requests using Node.js, constructing NFC payment capabilities for Ethereum using a Raspberry Pi, along with companion web and mobile apps
- Enabled multi-user support by creating the account and transaction systems with MongoDB data storage
- Integrated support for Microsoft Azure's facial recognition service thereby reinforcing account security
- Configured support for Ethereum transactions by implementing Web3.js and reworking all transaction and account-related functions to host the API using Infura
- Performed unit and integration tests for backend functions achieving **100% coverage**, resolving 3 critical bugs that would have otherwise disabled the transaction system

### GM Web Scraper 📁

**PYTHON**

Jan. 2021

- Reduced time required for retrieving vehicle data by **70%** compared to manual data entry by autofilling data templates through interception of HTTP requests for direct data retrieval in JSON format

## Awards

2019 **Second Place Team, Individual Ranking 33rd/800**, World Scholar's Cup Global Round

2020 **University of Waterloo Alumni@Nortel Scholarship**, for academic performance

2020 **University of Waterloo President's Scholarship of Distinction**, for academic performance