

Jason Zhou

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Skills

Languages C, C#, Python, Java, JavaScript, TypeScript, PHP, HTML/CSS
Technologies MongoDB, Node.js, Angular, Git

Work Experience

Idea Notion Development Inc.

Markham, Ontario

FRONTEND AND BACKEND DEVELOPER, **ANGULAR, TYPESCRIPT, AZURE, C#, PHP**

Jun. - Aug. 2020, Jun. - Aug. 2019

- Developed AI chatbot webapp used by 20+ car dealerships, with frontend done on Angular using TypeScript and backend on C# using Azure services
- Kept bot data up-to-date by adding data for 50+ vehicle models from Chevrolet, Cadillac, GMC, and Buick
- Improved webapp UI for service admins by creating a statistics page and implementing multi-select on chatbot conversations, resulting in reduced time for managing multiple chat windows
- Enhanced reliability by writing integration test cases for AI chatbot in C# and performing manual integration tests on Microsoft Bot Framework Emulator, resolving multiple tickets.
- Performed frontend PHP development on WordPress e-commerce site

Projects

CryptoPi

Waterloo, Ontario

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

Sep. 2020 - Dec. 2020

- Worked in a team of five to build a Raspberry Pi that enables NFC payment for Ethereum, along with companion web and mobile apps.
- Led backend development for processing REST requests using Node.js
- Enabled multi-user support by creating the account and transaction systems with MongoDB data storage
- Increased account security by integrating support for Microsoft Azure's facial recognition service
- Configured support for Ethereum transactions by implementing Web3.js and reworking all transaction and account-related functions to host the API using Infura
- Improved project reliability by performing unit and integration tests for backend functions achieving 100% coverage, resolving 3 critical bugs that would have otherwise disabled the transaction system

Education

University of Waterloo

Waterloo, Ontario

BACHELOR OF SOFTWARE ENGINEERING

2020 - 2025

- Relevant Courses: Programming Principles in C (97), Methods of Software Engineering (100)
- Cumulative GPA: 88.36%

Awards

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

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

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

Manila, The Philippines