Jason Zhou

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Skills

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

Education

University of Waterloo
Waterloo, Ontario

BACHELORS OF SOFTWARE ENGINEERING

2020-2025

- Term 1B
- Relevant Courses: Programming Principles in C, Methods of Software Engineering

Work Experience

Idea Notion Development Inc.
Markham, Ontario

FRONT AND BACKEND DEVELOPER, SUMMER INTERN

Jun - Aug. 2019 and 2020

- Frontend and backend development on AI chatbot's admin-side webapp on Angular using TypeScript
- Development on AI chatbot on C# using Azure services
- Updated the chatbot's database
- Improved webapp UI for service admins and created a statistics page for admins.
- Wrote integration test cases for AI chatbot in C#.
- Performed manual integration tests on Microsoft Bot Emulator
- PHP frontend development on separate project

Projects

CryptoPi
JavaScript, NodeJS, MongoDB

BACKEND DEVELOPMENT

Sept. 2020 - Dec. 2020

- Worked with a team of four to build a Raspberry Pi that enables NFC payment for Ethereum, along with companion web and mobile apps.
- Led development in the backend and created the backend framework for processing requests from the webapp and the Raspberry Pi using NodeJS
- Implemented an account and transaction system for individual users along with data storage using MongoDB
- Implemented support for the facial recognition security feature using Azure Cognitive Services
- Enabled support for Ethereum using Web3.js, reworked all transaction and account-related functions to implement the REST API using Infura
- Performed unit and integration tests to ensure the system is working after implementation

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*