

JOHNSON ZHONG

PROGRAMMER, DESIGNER, COMPUTER SCIENCE ENTHUSIAST

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SKILLS

LANGUAGES: C#, Python, Java, C, HTML and CSS, JavaScript, TypeScript, SQL, Visual Basic, Swift, Haskell, R

TECHNOLOGIES: Git, Angular, AngularJS, ASP.NET, Node.js, .NET Core MVC, SVN, Arduino, Android Studio, XCode, MongoDB

WORK EXPERIENCE

Mech Solutions Ltd, Front-end Developer Co-op, Vaughan, Canada Sept. 2020 - Dec. 2020

- Designed and developed new features for the main company website with **JavaScript, HTML, CSS, and Bootstrap** Integrated backend modules such as real-time printer monitoring and web slicing statuses onto the web application via RESTful API connections and WebSocket technology using **JavaScript** and **JQuery**
- Created documentation for user interaction and website features

Softchoice, Application Developer Co-op, Oakville, Canada Sept. 2019 - Dec. 2019

- Migrated legacy service to Microsoft Azure cloud service used to handle hundreds of sales quotes and SoW daily using **Azure Function Apps, C#, LINQ, .NET Entity Framework, and MongoDB**
- Designed responsive UI and backend for internal portal used to track customer subscription reports through RESTful API endpoints using **Angular, AngularJS, .NET Core, SQL, Bootstrap, and CSS**
- Developed chatbot for Microsoft Teams with features such as general QnA, managing SAP HR requests and managing IT service tickets using **Microsoft Bot Framework** and **LUIS AI**

RoboEdu Education Group Inc, STEM Instructor, Toronto, Canada Sept. 2019 - Dec. 2019

- Instructed students on core computer science concepts and techniques using Java, Python, and VEX IQ
- Taught the AP Computer Science curriculum to students who achieved a maximum score of 5 on the exam
- Lead various computer science workshops on Python Open Course, and Web Design Elementary and Advanced
- Trained students for competitive programming contests such as the Canadian Computing Competition and the Beaver Computing Challenge

EDUCATION

University of Toronto Scarborough Sept. 2017 - May 2021

B.Sc Honours Computer Science Co-op - Software Engineering Stream 2021

Relevant Courses

Software Engineering, Algorithm Design and Analysis, Software Design, Design and Analysis of Data Structures, Software Tools and System Programming, Databases & Web Programming

PROJECTS

Digital Finance Institute FinTech ChatBot June 2019 - Aug. 2019

Prototype for Canada's 1st ChatBot with encyclopedic knowledge of FinTech & AI, created using IBM & DFI tools

- Implemented user message parser, frontend to backend communication APIs, corpus indexing system for the bot backend with **Java, JavaScript AJAX, and Apache Lucene** in an Agile environment utilizing a test-driven development approach
- Created the interface and backend for admin controls such as maintaining uploaded corpus files and viewing bot statistics using **Flask** and **SQLite**

Spotifacts

Displays user's top tracks, recommended tracks for the user, and playlist manipulation using Spotify's API

- Offers service to many users by creating a web application using **Angular.js**, using **Node.js** for authentication with **Spotify's API** service and backend