

GODFREY JOSEPH CORTEZ

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2A Computer Engineering | University of Waterloo

Qualifications

Programming – C++, Java, JavaScript, C#, C, HTML/CSS

Tools – Visual Studio Code, Git, Docker

Frameworks – NodeJS, ExpressJS, NLP.JS, Xamarin, JQuery, Mocha, Sinon, Bootstrap

Projects

- Built an alarm clock with a small team that would pull weather data from the internet; Developed the main logic loop and decision tree using the C programming languages
- Created an arcade-style basketball game involving hardware interfacing with breadboards and simple electronic circuits communicating with a computer program through serial ports
- Co-developed a cross-platform app using C# and the Xamarin framework for a Vaughan Vikings Baseball coach so that he can plan out the positions of his players
- Produced a multiplayer game in Java based on Snake where up to 4 players can play to see who can make the longest line without crashing

Experience

Software Developer – Innovation Squad, Scotiabank, Toronto

September 2018 – December 2018

- Developed a chatbot utilizing NLP.js, a natural language processing framework, which aggregated trading data allowing equity traders to easily query information which in turn significantly improved their workflow
- Chatbot was a full stack web application connecting to various databases with the use of internal APIs, designed to be modular and portable using pure HTML, CSS, and JS for the frontend, and Docker for the backend allowing the application to be easily connected to new services and be quickly deployable
- Developed a REST API connecting to an Oracle Database which integrated with the chatbot
- Made the existing web application which the chatbot was deployed on more secure with the use of JSON Web Tokens and asymmetric cryptography
- Worked in an agile environment following best practices for software development such as test-driven development, pair programming, daily stand-ups, and regular code reviews

Google Cloud Relay Hackathon, Toronto

December 2018

- Developed a day planner using Google Maps API where a user could set multiple destinations and would then receive a suggestion of an optimal route they could take throughout the day

On Site Support Co-op, Sun Life Financial, Toronto

January 2018 – April 2018

- Communicated with hiring managers and business clients to meet their IT needs relating to issues with computer usage or the preparation and deployment of a laptop to test new software
- Resolved issues that clients had pertaining to their laptops and corresponding peripherals (e.g. performance issues or trouble connecting to a monitor)
- Progressed interpersonal skills by preparing laptops for new hires and provided a positive first impression when assisting with the initial setup of their new computers