JULIAN MAINGOT

(647)-981-7343 · jrmaingo@edu.uwaterloo.ca · github.com/jrmaingo · in/maingotjulian

TECHNICAL STRENGTHS

Computer Languages	C, C++, Javascript, C$\sharp$, Java
Platforms, Tools & Frameworks	Git, Angular, SQL, Docker, Jenkins, MongoDB

EXPERIENCE

FreshBooks　　　　　　　　　　　　　　　　　　　　　　　　　May 2017 - August 2017
Software Developer Co-op　　　　　　　　　　　　　　　　　　　　　　*Toronto, ON*

· Worked on the Engineering Efficiency team and developed build tools for product developers
· Developed Jenkins CI pipeline features (plugin system for integrating new services, developer notifications for events and status updates, etc.) to streamline the development experience
· Collaborated with 3 product developers and 1 designer in a company hack-week to build a note-taking web app that allows real-time collaboration between meeting participants using Node.js, Express and Vue.js

Flynn Group of Companies　　　　　　　　　　　　September 2016 - December 2016
Mobile and Web Developer Co-op　　　　　　　　　　　　　　　　*Mississauga, ON*

· Developed a service worker feedback manager using Angular, C$\sharp$ and SQL with continuous deployment to Azure
· Constructed responsive web layouts to support feedback submissions on desktops and mobile devices
· Added an "Additional Notes" feature to the field worker timecard management app using JS and C$\sharp$
· Deployed new timecard features to 20+ company branches by writing SQL scripts to migrate production data
· Set up continuous integration testing for 3 projects using Circle CI, Bitrise, and Visual Studio Team Services

Flynn Group of Companies　　　　　　　　　　　　　　January 2016 - April 2016
Mobile and Web Developer Co-op　　　　　　　　　　　　　　　　*Mississauga, ON*

· Implemented data views for a web dashboard where the service team visualizes project-related metrics
· Built REST API calls in C$\sharp$ which process data from MongoDB and SQL to create views in the dashboard
· Reduced dashboard API load time from 20s to 1s by optimizing MapReduce operations and SQL queries
· Wrote 200+ JS and C$\sharp$ unit tests for project dispatching code in the project management app

Max Robotics Inc.　　　　　　　　　　　　　　　　　　　　　May 2015 - May 2017
Co-Founder　　　　　　　　　　　　　　　　　　　　　　　　　*Mississauga, ON*

· Taught robotics courses using the VEX IQ robotics system and Java programming courses
· Executed a community marketing strategy to grow customer base and brand
· Interviewed, hired and managed schedules for a team of 3 - 6 instructors

PROJECTS

Doodle Program　　　　　　　　　　　　　　　　　　　　　　　　　February 2017
CS 349: User Interfaces

· Built a drawing app with traceable and rewritable history by applying affine transformations on regular polygons in Java using MVC

Ride Along　　　　　　　　　　　　　　　　　　　　　　　　　　　October 2016
Climathon　　　　　　　　　　　　　　　　　*github.com/luongch/climathon-2016*

· Designed an app for parents to post and find carpools for their children using Angular and Express
· Built a map interface for posting and querying routes using the Google Maps SDK

EDUCATION

University of Waterloo　　　　　　　　　　　September 2014 - August 2019 (expected)
Bachelor of Computer Science

· Relevant Coursework: Algorithms, Operating Systems, User Interfaces, Data Structures, OOP