TYLER D'SILVA

linkedin.com/in/tylerdsilva/ | tj2dsilva@uwaterloo.ca

SKILLS

- C++
- Angular
- Python
- CSS & HTML
- Git
- Riot.js
- MongoDB

EDUCATION

- BASc in *Systems Design Engineering*, 2017-2022

RELEVANT COURSES

- Data Structures and Algorithms using C++
- Python to apply Physics concepts to computational applications
- Programming and developing C++ programs
- Developing with Arduino, and digital circuits

AWARDS

- February 2016 | Carnegie Mellon Robot C Vex Programming Certificate
- June 2017 | Basilian Scholarship - Over a 90% final average
- June 2017 | Excellence in Data Management

ACTIVITIES

- Ping Pong
- Pool
- Tennis
- Clarinet
- Swimming
- Taekwondo
- Hockey

EXPERIENCE

FULL STACK DEVELOPER
GROUPBY INC. | Sept-Dec 2018

- Worked on the Presales team, implementing the redesigned architecture across 4 demo websites to present to clients
- Designing and creating major features across the ecommerce sites using Riot.js
- Created scripts using Node.js to mimic customer data to populate analytic dashboards and for web scraping
- Resulted in 4 major refactored websites used to obtain more than 20 international companies as clients

JUNIOR SOFTWARE DEVELOPER
SOTI | Jan-Apr 2018

- Involved on the data analytics project to create a business intelligence solution to collect, aggregate and analyze mobile data
- Responsible for UI/UX features and changes tracked with story points within a two week sprint
- Led SCSS styling for the project, created features using Angular such as modals and dropdowns, used MongoDB as the database to store data models
- Coded the website to be mobile responsive
- Practiced Agile development and documented work using JIRA
- The end result was an advanced developing website with an improved user interface developed for 5000 companies

PROJECTS

KEEP FRESH
React Native, Node.js, and Firebase | 2018

- Created a smart fridge app to track expiration dates on your food items
- The app takes a picture of your food item, runs it through an image processing API, and retrieves the expiration date from the Firebase
- When food is about to expire we would send a SMS to the user

ARDUIANO
Arduino C | 2017

- Developed an algorithm to play different frequencies on a piezo speaker to create a song with Arduino C
- Input letters into the serial monitor, and the code would read the letters as piano notes, and play the different sounds