TYLER D'SILVA

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SKILLS

- C++
- Angular
- Arduino C
- CSS & HTML
- Git
- MongoDB
- RobotC

EDUCATION

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

RELEVANT COURSES

- SYDE 121: Learning about programming and developing C++ programs
- SYDE 192L: Experience developing with Arduino, and digital circuits
- Robotics: Developed on RobotC and Arduino

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

- Tennis
- Clarinet
- Swimming
- Ping Pong
- Pool

EXPERIENCE

JUNIOR SOFTWARE DEVELOPER
SOTI | Jan-Apr 2018

- I was 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 accounted for 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
- Practiced Agile development and documented work using JIRA
- The end result was an advanced developing website with an improved user interface made for 5000 companies

LIFEGUARD
Thorncrest Homes Association | Jul 2016 & May-Aug 2017

- Designed a better seating arrangement of the pool to increase safety
- Improved responsibility, time management, and the importance of safety

PROJECTS

MORSE CODE READER
Arduino C | 2017

- Created a program that translates Morse code to text using a photoresistor and Arduino C
- The program takes a measure of time when the light is on to tell when it is a dash or dot to convert it to text

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

LINE TRACKER
Robot C | 2016

- Completed a program to read the threshold of a light sensor with RobotC, allowing the robot to track a line to reach the desired destination