BRIAN ERLANGGA

STUDENT ID#: 20884934

COMPUTER ENGINEERING

CONTACT ME AT

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EDUCATION

University of Waterloo - 1A Computer Engineering
Sept 2020- Current

Relevant Course:
ECE 150

LANGUAGES

Java
Swift
HTML
CSS
C++

TECHNOLOGIES USED

Microsoft Azure
MongoDB
Figma
Eclipse
Xcode
Arduino
Visual Studios
Android Studios
Office 365

SUMMARY OF SKILLS

- 2 years of experience using Java gained through 2 high school courses.
- 1 year experience with Android App Development demonstrated by creating an app using Android Studios for a high school organization called CYNEA that is currently used by students.
- Proficient knowledge of computer hardware gained through 3 years of experience in high school Computer Engineering class.
- Experience in C++; Currently learning C++ in ECE 150.
- Strong team collaboration skills demonstrated through working with a group of 4 to place top 15 in a 48 hour HackAgainstCovid Hackathon.
- Implement key time-management skills in high-demand settings as demonstrated through working for the CNE Most Popular Food Stand in 2019.

EXPERIENCE

CYNEA
Android Development

- Used Android Studios and Java to develop an Android App with a team that curates specific recipes based on given personal information.
- Assisted in ideating the dashboard of the "TrackMe by CYNEA App using Figma.
- Worked on the backend database of the app using Firebase and Algolia.

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iOS Development

- Currently working on an iOS app using Swift that will allow customers to book scheduled appointments for businesses through our app.

Arduino
C/C++

- Designed a Combination lock using C/C++ and various hardware components for my Computer Engineering Class which resulted in a 100%.
- Developed an understanding of communication between hardware and software through the development of various smaller projects.

Valeo
Web Development

- Developed a website in a team of 4 using HTML, CSS, Node.js, MongoDB, Microsoft Azure and React which encouraged small businesses to expand their online presence by recommending various strategies based on their companies statistics.
- Resulted in placing top 15 in HackAgainstCovid Hackathon.

EXPERIENCE

Conko Inc. Ice Cream Waffles
Aug 2019

- Worked as a Crew Member who cooked and served ice cream waffles to customers at the CNE 2019.
- Developed strong communication skills with various interactions with co-workers and customers.
- Resulted in being rewarded CNE Most Popular Food Stand 2019.

Robotics Club
Sept 2018 - June 2020

- Used Arduino, Swift and C to program the functionality of the robots.
- Engineered and Coded Autonomous and Teleported robots that competed in the Ontario Skills Competition.
- Applied critical thinking skills to overcome issues during development.