

# Brian Erlangga

1A COMPUTER ENGINEER

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## SKILLS

**Languages |** Java, Swift, HTML, CSS, C+, JavaScript  
**Other |** Azure, MongoDB, Figma, Arduino, Android Studio, Office 365

## EDUCATION

### University of Waterloo

1A COMPUTER ENGINEER

Relevant Course: ECE 150

Waterloo, ON

Sept 2020 - Current

## PROJECTS

### 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.

### Notify

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++

- Designed a Combination lock using C/C++ and various hardware components for my Computer Engineering Class which resulted in a 100
- Implemented 3D vector physics and game strategy for an autonomous satellite simulation using the ZR API.

### 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

CREW MEMBER

- 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.

Toronto, ON

Aug 2019

### Robotics Club

EXECUTIVE MEMBER

- Used Arduino 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

Pickering, ON

Sept 2018 - June 2020

## SKILLS SUMMARY

- 2 years of experience using Java gained through 2 high school courses.
- 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.