

Timothy Elgersma

2B, University of Waterloo, Computer Science

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Summary of Qualifications

- **Languages:** C, C++, Java, Javascript (CoffeeScript and Typescript), \LaTeX , Python, Scheme (Racket), SQL
- **Tools:** Android Studio, AWS Lambda, S3, & Route 53, Git
- Commended by managers for being a hardworking and dependable team member – Encircle regularly forgot I was a coop student
- Excellent communication skills demonstrated through documentation, peer mentorship, and team meetings
- Successful in teams and self-directed settings, as evidenced by solo and team projects

Experience

SEPTEMBER 2018 – DECEMBER 2018

Software Developer – Encircle

- Designed and implemented Encircle's Moisture Mitigation report generator using Python and SQLAlchemy
- Mentored a full time employee on the usage of a PDF generating library
- Rewrote and refactored CoffeeScript and Typescript mobile core to reduce bugs, increase coherency, and reflect new model changes
- Designed a new server-side model traverser with SQLAlchemy that respects the user's access control list

JUNE 2017 – AUGUST 2017

Graphic Designer and Camp Leader – Community Church of Richmond Hill

- Designed promotional materials to attract new members from the community using Adobe Illustrator, InDesign, and Photoshop, resulting in increased awareness of available programs
- Developed and implemented weekly schedules, activities, and programming for camp groups
- Demonstrated professional communication skills through interaction with clients

Projects

JANUARY 2019

Backend Developer – Split

- **Split** is an Alexa based cost sharing apps designed to make living with roommates easier.
- Built a RESTful API with Flask hosted in a Digital Ocean droplet to handle requests made from AWS Lambda

JANUARY 2019

Course Names – Chrome Extension

- Adds the course name as hover text to any University of Waterloo CS course code
- Uses Javascript to parse Waterloo website and replace occurrences on the current page

MARCH 2018

Backend Developer – Scavenger

- Created an Android application in which users can report littered areas that other users can clean for points
- Manipulated and stored user data to allow access across app fragments in Java
- Planned, designed, and programmed in a 5-person multi-discipline team in 24 hours at StarterHacks 2018

Education

SEPTEMBER 2017 – PRESENT

Bachelor of Computer Science – University of Waterloo

- Currently enrolled in 2B of a Bachelor of Computer Science
- **Relevant Courses:** CS 246 (Intro to Object Oriented Programming), CS 241 (Compilers), CS 240 (Data Structures and Algorithms)