

# Timothy Elgersma

2B, University of Waterloo, Computer Science

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## Summary of Qualifications

- **Languages:** C, C++, Dart, Java, Javascript,  $\LaTeX$ , Python, PostgreSQL, Typescript
- Commended by managers for being a hardworking and dependable team member – Encircle regularly forgot I was a coop student
- Strong focus on testable code - every module I checked in had over 95% test coverage
- 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

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## Experience

MAY 2019 – AUGUST 2019

### Software Developer – Genesys

- Designed Genesys Conversation Provider's database access module
- Implemented a persistent queue for asynchronous backend communication in Typescript
- Updated Jenkins pipeline to support a Postgres database for simple integration tests

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

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## 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

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

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## 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)