

Timothy Elgersma

2B, University of Waterloo, Computer Science

trelgersma@uwaterloo.ca

linkedin.com/in/timothy-e

github.com/timothy-e

Summary of Qualifications

- **Languages:** C,C++,Dart,Java,Javascript,Latex,Python,PostgresSQL,Typescript
- Commended by managers for being a hardworking and dependable team member
- 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

Experience

MAY 2019 – AUGUST 2019

Software Developer – Genesys

- Designed and documented Genesys Conversation Provider's database access module
- Implemented a persistent queue for asynchronous backend communication in Typescript
- Upgraded 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

Personal 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

Education

SEPTEMBER 2017 – APRIL 2022

University of Waterloo – Bachelor of Computer Science

- Currently enrolled in 2B of a Bachelor of Computer Science
- **Relevant coursework:** CS 246 (Intro to Object Oriented Programming), CS 240 (Data Structures and Algorithms), CS 341 (Algorithms II), CS 349 (User Interfaces)