

Timothy Elgersma

3B, University of Waterloo, Computer Science

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Summary of Qualifications

- **Languages:** C++, Dart, Java, Javascript, Kotlin, Latex, Python, SQL, Typescript
- Commended by managers for being a hardworking, dependable, and flexible 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

Experience

JANUARY 2020 – APRIL 2020

Backend Developer – Faire

- Increased Faire's contribution margin by 180bps by implementing payment assistance plans and allowing the risk team to make timely, informed decisions by surfacing relevant customer and Plaid data
- Decreased customer support ticket count by 9% through heuristics to auto-handle common requests
- Reduced Faire's tax liability by 30% by collecting retailer tax information

MAY 2019 – AUGUST 2019

Software Developer – Genesys

- Designed and documented Genesys Conversation Provider's database access module
- Improved solution resiliency by implementing a persistent queue for asynchronous backend communication in Typescript
- Increased testability by upgrading Jenkins pipeline to include Postgres 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
- Reduced bugs, increased coherency, and reflected new model changes by rewriting and refactoring Coffeescript and Typescript mobile core
- Designed a new server-side model traverser with SQLAlchemy that respects the user's access control list

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 3B 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)