

## EXPERIENCE

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### Software Developer – RewardOps (Toronto, ON)

Jan 2020 – Apr. 2020

- Independently developed critical integration with partner to facilitate transactions, allowing users payment and fulfillment of redeemed products
- Collaborated on team of 6 to build Rails backend integrations with partners for e-commerce platform which integrates rewards programs with over millions of transactions
- Presented to senior leadership and sought input for creation of tool to streamline database imports for dev environments, improving workflow for all backend developers
- Investigated and fixed SEV 2 bug where duplicate events resulted in overload of job system
- Performed Agile/Scrum in 2-week sprints, practiced pair programming

### Software Engineer – Phreesia (Ottawa, ON)

May 2018 – Aug. 2018

- Managed implementation, deployment of .NET Angular internal tool to display filterable, searchable data
- Collaborated in team of 2 to design SQL and Mongo databases for internal task-management tools

### Full Stack Developer – Dejero Labs (Waterloo, ON)

Sep. 2017 – Dec. 2017

- Worked with team of 6 on Rails app for managing video streaming hardware using Angular and MongoDB
- Implemented notification feature with RabbitMQ to send email alerts when customers' hardware exceeds a set data usage threshold

### Web Developer – Cognitive Systems (Waterloo, ON)

Jan. 2017 – Apr. 2017

- Initiated development of high-impact customer facing custom D3.js data visualizations, displayed on front page of web app for users to analyze motion data over time in homes
- Sought input from other teams to improve effectiveness of data visualizations, presented to senior leadership the accessibility importance of using perceptually uniform colourmaps
- Cooperated with team of 3 on Rails app with React frontend for owners of home monitoring system to manage device configuration and view motion data stats
- Expanded REST API used by web, mobile apps, wrote tests reaching >90% code coverage

## EDUCATION

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### University of Waterloo

Expected graduation 2021

Candidate for BES in Geomatics and Computer Science Minor

- 2018 Work Term Report Award

## PROJECTS

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**LSTM-based Neural Net OCR:** Reddit bot for recognizing text within images using Tesseract OCR

**Sentiment Analysis:** Express server with React frontend for sentiment analysis using data from tweets, was deployed on AWS Elastic Beanstalk

**Twitter Bot:** Written in Python, simulates twitter users using Markov chains, deployed via Heroku

**2D Missile Game:** Developed using Unity, coded in C#, built on WebGL

## SKILLS

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### Languages & Frameworks

C#, Java, Python, Node, JavaScript, TypeScript, Ruby on Rails, .NET, MongoDB, SQL, Angular, React

### Other

AWS, Heroku, Agile/Scrum, Git, Bash