

## EDUCATION

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<b>Waterloo, ON</b>	<b>University of Waterloo</b>	<b>Sept 2013 - Dec 2018</b>
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- **Major:** BSc - Honors Health Studies
- **Certificate (Minor):** Computer Science
- **Specialization:** Health Informatics

## EMPLOYMENT

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<b>Software Developer</b>	<b>University Health Network</b>	<b>Aug 2018 - Present</b>
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- Web application developer, part of the UHN Clinical Web Application project within the Systems Engineering Team
- Responsible for full life cycle of software delivery including design, implementation, testing and maintenance of Clojure web applications, databases, and web services
- Lead development of the Clinical Portal application using Clojure and ClojureScript allowing clinicians centralized access to patient data
- Implement back-end services in Java using SQL and Oracle

<b>Software Engineer</b>	<b>Liquid Analytics</b>	<b>Jan 2018 - Aug 2018</b>
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- Lead developer of the Liquid Analytics InfoSite using Google Polymer, a JavaScript framework, allowing clients to view, export, and graph customer data
- Used RESTful APIs to retrieve JSON formatted data from PostgreSQL, Firebase and Amazon Web Services
- Developed Python scripts for data migration, modification and analysis using the pandas library.
- Proven ability to work under pressure in an agile environment to meet deadlines.

<b>Mobile Application Developer</b>	<b>University of Waterloo</b>	<b>Sept 2017 - Jan 2018</b>
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- Developed prototype of the University of Waterloo Academic Integrity (UWAI) mobile application
- Designed the front-end aspects of the app using Unity 5 and C#
- Prepared design documents regarding the architecture and workflow of the app

## SOFTWARE PROJECTS

### Polymer Website:

- Developed a web application that displays additional information about myself and my projects using Google Polymer and JavaScript
- Built by using custom web components that are compatible across modern browsers and multiple devices

### Knights Game

- Created a 2D tower defense WebGL video game using Unity and C#
- Development includes aspects such as animation, audio, level design, high score and an upgrade system

### Trump Tweet Generator

- Used Python to stream Donald Trump's tweets using the Twitter API and build a Markov Chain model
- The model is used to predict speech patterns to generate a fake tweet

## SKILLS

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**Languages:** JavaScript, Python, Java, SQL, C#, Clojure  
**Front-end:** React, Redux, Google Polymer, HTML/CSS  
**Back-end:** Node.js, Express.js

**Databases:** PostgreSQL, MongoDB, Firebase  
**Testing:** Jest, Enzyme  
**Other:** Git, Jenkins, JIRA, Confluence, Unity, TensorFlow