# SAMUEL PEERS

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## **EXPERIENCE**

## Full Stack Developer - Manitoba Hydro International

May 2016 - Present

- Worked across the stack (Android, Flask, React, MySQL) on a location tracking app
- Developed Augmented Reality apps using Android, JavaScript, jQuery, and Wikitude
- Improved DevOps process by creating CI pipelines in AWS and porting projects to Docker
- Writing a Geographic Information System using React, JavaScript, and the Google Maps API

## **DevOps Engineer** – Varian Medical Systems

**August 2016 - January 2017** 

- Created and maintained virtual machines, networks, and firewalls in the cloud (vSphere)
- Automated the creation of cloud applications using PowerShell and the vSphere API
- Simplified continuous integration and delivery by migrating all projects to TeamCity and NuGet
- Experimented with Docker for Windows in vSphere to increase code portability

#### Bioinformatics Research Technician - Public Health Agency of Canada January 2016 - April 2016

- Created a large Triplestore (graph) database for organizing genomic and epidemiologic data
- Automated the cleaning and inserting of legacy data into the database using Python
- Developed a Flask web application and designed user interfaces for interacting with the data
- Devised database queries for updating and analyzing the data via the Blazegraph API

### **SKILLS**

Professional: React, Redux, JavaScript, Java, Android, REST, MVC, Python, Flask, MySQL, Git, AWS, Docker

Academic: Ruby, Mongo, Machine Learning, Bash, C/C++

## **EDUCATION**

University of Manitoba, Canada September 2011 – December 2017

- Pursuing Bachelors of Computer Science, Honours & Co-op
- Degree specialization in Databases, Dean's Honours List

## Linköping University, Sweden September 2014 – June 2015

- Exchange Student at the Linköping Institute of Technology
- International Centre for Students Exchange Award

# **PROJECTS**

- Learning Spaceship: A graphical rocket that learns to hover using machine learning. Written in Java and done in the course Artificial Intelligence at Linköping University.
- **React Debugger:** A Mozilla open source debugger written in React and Redux. Fixing issues, implementing enhancements and writing significant features.
- **Chat Bot:** A Slack app for ordering Domino's pizza. Using the Beep Boop API for Slack integration and Python for the back-end logic. A recreational project.