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
- Improved DevOps process by creating CI pipelines in AWS and porting projects to Docker
- Developed Augmented Reality apps using Android, Wikitude, and JavaScript
- Writing a live video streaming web application using React and Redux

DevOps Engineer – *Varian Medical Systems*   August 2016 – January 2017

- Created and maintained virtual machines and networks in the cloud (vSphere)
- Automated the creation of a cloud application using PowerShell/CLI
- 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 Triplestore database for organizing biological data
- Automated the cleaning and inserting of legacy data into the database using Python
- Developed a Flask Web application for interacting with the data
- Devised SPARQL queries for updating, querying, and analyzing the data

SKILLS

Professional: Python, Flask, JavaScript, React, Redux, Java, Android, Volley, AWS, Docker, MySQL

Academic: MongoDB, Knockout, Ruby, Machine Learning, Bash, C/C++

EDUCATION

University of Manitoba, Canada

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

Linköping University, Sweden

- 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.
- **Multiplayer Game:** Created using Android Studio, Knockout, JavaScript, Flask, Docker, AWS, and MongoDB. Completed in *Software Engineering 2* at the University of Manitoba.
- **Chat Bot:** A Slack app for ordering Domino's pizza. Using Beep Boop for Slack integration and Python for back-end logic. This is a recreational project.