Third year student
Computer Engineering

Tyler Adams

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WORK EXPERIENCE

Software Engineering Intern **Virtual Power Systems** **September – December 2015**
Santa Clara, CA

- Developed a data center simulator to test power distribution software on customers' data centers
- Achieved high concurrency and performance by simulating components of data center with Actors
- Confirmed the data center simulator was stable by writing tests that resulted in 90% code coverage
- Updated power distribution software by writing a Bash script to remotely replace Docker images

Software Engineering Co-op **Thalmic Labs** **January – April 2015**
Kitchener, ON

- Designed and implemented the multi-platform transparent overlay used in "Myo for Presentations"
- Created a game that demonstrates the Myo armband's gesture control interactions with computers

Mobile Developer Intern **Rogers Communications** **May – August 2014**
Toronto, ON

- Coded the first Sportsnet Google Glass app which included NHL game scores, videos, and radio
- Upgraded all Rogers radio and news apps to use HTTP Live Streaming

EDUCATION

Waterloo, ON **University of Waterloo** **Graduating in June 2018**
B.A.Sc. in Computer Engineering with a 3.35 GPA
Selected courses: Data Structures & Algorithms, Operating Systems, Embedded Systems
Online courses: Google's Python Class, Coursera's Functional Programming Principles in Scala

PROJECTS

Regular attendee of collegiate Hackathons, including Hack the North 2015 and 2014, Hack the Planet, McHacks 2015, Hack Western 2015, and Hack Princeton 2015.

AIsteroids **Hack the Planet** **August 2015**

- Developed an artificial intelligence for the classic game Asteroids
- Trained the A.I. by using machine learning on user-submitted algorithms

BabySteps **McHacks** **February 2015**

- Wrote an Android app that acts as a self-improvement planner to raise users' confidence
- Created an algorithm to broaden a user's comfort zone based on what activities a user would be willing to participate in

Coding-Problems **November 2015 - Present**

- Solved data structures and algorithms problems in Java and Python
- Improved coding ability by publishing notes made from studying computer science

SKILLS

Programming: Java, Python, Scala, C++, C#, C, Bash, Akka, Qt, Node.js
Tools: Git, iTerm, Docker, Atom, IntelliJ IDEA, Google Compute Engine