Third year student
Computer Engineering
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Tyler Adams

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WORK EXPERIENCE

Software Engineering Intern   **Amazon**   **May 2016 – Present**
Seattle, WA
- Created an internal website that enables modification of Contact Us info by product managers
- This website eliminated the 5 day deployment process for Contact Us info changes
- Coded APIs that read and write to a DynamoDB database using Java and the Spring framework

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, Compilers
Online courses: Google's Python Class, Coursera's Functional Programming Principles in Scala

PROJECTS

AIsteroids   **Hack the Planet**   **August 2015**
- Developed an artificial intelligence for the classic game Asteroids
- Trained the A.I. by using machine learning on algorithms submitted by users

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**
- Improved programming skills by studying computer science concepts and open-sourcing related notes
- Solved data structures and algorithms problems in Java and Python

SKILLS

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