

Tyler Adams

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WORK EXPERIENCE

Amazon

Software Development Engineering Intern

Jan – Apr 2017

Location TBD

Amazon

Software Development Engineering Intern

May – Aug 2016

Seattle, WA

- Created an internal website which enabled content on Amazon Vendor Express to be edited by product managers, and reduced deployment time from 5 days to 5 minutes or less
- Coded APIs that read and write to a DynamoDB database using Java and the Spring framework

Virtual Power Systems

Software Engineering Intern

Sept – Dec 2015

Santa Clara, CA

- Developed a data center simulator in Scala which tested power distribution software
- Achieved high concurrency and performance by simulating components of data center with Actors
- Updated power distribution software by writing a Bash script to remotely replace Docker images

Thalmic Labs

Software Engineering Co-op

Jan – Apr 2015

Kitchener, ON

- Implemented the overlay used in “Myo for Presentations” on Windows and OS X using C++ and Qt
- Created a game that demonstrates the Myo armband using C# and Unity

Rogers Communications

Mobile Developer Intern

May – Aug 2014

Toronto, ON

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

EDUCATION

University of Waterloo

B.A.Sc. in Computer Engineering (3.3 GPA)

Apr 2018 (expected)

Waterloo, ON

- Coursework: Data Structures & Algorithms, Operating Systems, Compilers, Embedded Systems, Database Systems, Computer Networks

PROJECTS

AIsteroids

Hack the Planet

Aug 2015

Mountain View, CA

- Developed an artificial intelligence for the classic game Asteroids by using JavaScript
- Trained the A.I. by using machine learning on algorithms submitted by users through a website

Coding-Problems

Nov 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

Extracurricular coding challenges include hackathons at Princeton, UWaterloo, McGill and many more

LANGUAGES & TECHNOLOGIES

- Java, C++, JavaScript, Python, Scala, C#, C, Bash
- Git, Unix, Android, jQuery, Akka, Qt, Docker, AWS DynamoDB, Google Compute Engine