

Third year student  
Computer Engineering  
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Tyler Adams

dare.io  
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## WORK EXPERIENCE

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**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** **Thalnic 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

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**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

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**Asteroids** **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

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