

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**      **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

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

## PROJECTS

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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 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**

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

## SKILLS

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