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# RYAN MARTIN

3B Software Engineering Student

## EXPERIENCE

### Shopify

Software Developer

Fall 2017, Summer 2018

- Explored, designed, and implemented the early stages of a large scale multi-year project
- Developed a feature available to hundreds of thousands of merchants to allow discounts to be applied only to specific customers
- Extended Shopify's public REST and GraphQL APIs

### Autodesk

Software Developer

Winter 2017

- Fixed over 50 bugs and implemented multiple features for software which prepares and sends models to a 3D printer
- Greatly enhanced the camera navigation including smooth transitions between orthographic and perspective views
- Reworked the cross section tool in order to provide more intuitive control and better functionality

### Jamesway Incubator Company

Software Developer

Summer 2016

- Developed the client-side software to control industrial chicken incubators in large-scale hatcheries around the world
- Implemented an intricate and detailed reporting system, including real-time graphs

## PROJECTS

### Skybunk

A social application across Android, iOS, and web currently used by all Students and Staff of Conrad Grebel University College

### Circle

A social media platform intended to connect old circles of friends

### Medieval Magic

A large scale open world medieval themed 3D role-playing game

### BoardON

A 2D endless scrolling snowboarding game

## SKILLS

### General

C++	Ruby	NodeJS
Typescript	Python	Lua

### Web

Rails	Javascript	React
Redux	HTML	CSS

### Mobile

Java	React-Native
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### Tools

Git	OpenGL	SQL
MySQL	MongoDB	Qt

## EDUCATION

University of Waterloo 2015 - 2020  
Candidate for Bachelor of Software Engineering

## EXTRA CURRICULARS

Canadian Computing Competition  
Placed in top 10%

Hack4Health 2016 winner

BraceLit – Peace of mind for those afflicted with Alzheimer's

Hack the North 2016 participant

Shark – Billiards locator mobile app

University of Waterloo Intramurals  
Hockey, Ultimate, Soccer, Dodgeball

Conrad Grebel University College  
Web Master, Leadership Team

## INTERESTS

Hockey	Snowboarding
Guitar	Video Games
Rugby	Ping Pong & Pool