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RYAN MARTIN

3B Software Engineering Student

EXPERIENCE

Shopify

Software Developer

Ruby on Rails, Typescript, React, Redux, MySQL

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, allowing them to offer a discount to any specific customer
- Extended Shopify's public REST and GraphQL APIs

Autodesk

Software Developer

C++, OpenGL, Lua

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

C++, Qt

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

NodeJS, React-Native, React, MongoDB
Social application across Android, iOS, and web currently used by all 250+ Students and Staff of Conrad Grebel University College

Circle

NodeJS, MongoDB, Handlebars
Social media platform intended to connect old circles of friends

Medieval Magic

C#, Unity3D, Blender
Large-scale, open world, medieval themed 3D role-playing game

BoardON

C++, SDL2
Full 2D endless scrolling snowboarding game, available for download

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