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EXPERIENCE

FACEBOOK (OCULUS VR), *Software Engineer, IC4* June 2018 - present

- Implementing System UX for Oculus Quest Virtual Reality headsets
- Primarily working with JavaScript (React VR), Java (Android) and C++17

MICROSOFT, *Software Engineer Intern* May - August 2017

- Lead engineer on a team prototyping experiences for Windows Mixed Reality headsets
- Developed a 3D UWP application for Windows 10 using C#, C++ and XAML

FACEBOOK, *Software Engineer Intern* January - April 2017

- Implemented and A/B tested picture in picture video playback for the Facebook iOS app
- Developed app logic and UI for Facebook Watch using Objective-C, C++ and GraphQL

BENBRIA, *Software Engineer Intern* May - August 2016

- Built front-end mobile image uploading using JavaScript (ES6), React and Redux
- Built back end image manipulation infrastructure Node.js, Express, MongoDB and AWS S3

CHATTERHIGH, *Software Engineer Intern* May - August 2015

- Built hybrid iOS/Android app comprising registration, login, profile, quizzes and forums
- Overhauled mobile website using Ruby on Rails achieving up to 58% faster load times

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY January 2020 - present

Master of Science, Computer Science

UNIVERSITY OF VICTORIA, 3.9 / 4.0 GPA September 2014 - May 2018

Bachelor of Science with Distinction, Computer Science

PROJECTS

SNAPSHOT, *Kotlin, Go, GraphQL, PostgreSQL, Redis, gRPC, Protocol Buffers, Docker, Kubernetes, GCP*

- A scalable photo sharing social network app for Android built using a microservices based architecture

POUCH, *Elm, Go, AWS Lambda, S3*

- A cloud filesystem where files are intelligently removed when unused and automatically downloaded upon request

BLOCK BLOG, *React, Go, Flask*

- A blockchain based microblogging site featuring immutable distributed data. Winner of Canada's largest hackathon.

MUSIC WRITING HELPER, *Objective-C*

- An iOS app that generates and plays chord progressions, and achieved over 6500 users through the App Store

WINDWARD CODE WARS, *Python*

- An algorithm to competitively buy and sell stocks that achieved 2nd place in the AI programming competition

SKILLS

ADEPT JavaScript (ES6, Flow), React, Redux, React Native, GraphQL, Node.js, Go, Java, Git, Mercurial

PROFICIENT Docker, Kubernetes, gRPC, Protocol Buffers, Google Cloud Platform, AWS (EC2, S3, Lambda), Python, C, C++, SQL, Objective-C, Kotlin (Android), Elm, HTML, CSS