

MICHAEL REITER

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EXPERIENCE

FACEBOOK (OCULUS VR), Software Engineer June 2018 – present

- Implementing System UX for Oculus Quest Virtual Reality headsets

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 ComponentKit and GraphQL
- Built video subtitles toggle using Objective-C, C++ and Xcode

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 Developer 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

UNIVERSITY OF VICTORIA, 3.9 / 4.0 GPA September 2014 - May 2018
Bachelor of Science with Distinction, Computer Science (Co-op)

PROJECTS

SNAPSHOT, Kotlin, Golang, GraphQL, Postgres, Redis, RabbitMQ, gRPC, Docker, Kubernetes, AWS EC2

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

POUCH, Elm, Golang, AWS Lambda

- An infinite storage filesystem similar to Dropbox where files are intelligently removed when unused and automatically downloaded upon request
- Serverless architecture enables scalability and inexpensive operating costs

BLOCK BLOG, React, Golang, Flask

- A SHA-256 Merkle tree blockchain based microblogging site featuring immutable distributed data
- Winner of Hack the North 2016, Canada's largest hackathon

RUN! JUMP! SHOOT!, CoffeeScript, HTML5

- A 2D cross-platform action game designed to scale for any mobile device

MUSIC WRITING HELPER, Objective-C

- An iOS app that algorithmically determines chords in common keys, generates and plays chord progressions, and displays guitar chord charts
- Achieved over 6500 users in 60 countries through the App Store

WINDWARD CODE WARS, Python

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

SKILLS

ADEPT JavaScript (ES6, Flow, CoffeeScript), React, Redux, React Native, Java, GraphQL, Git, Mercurial

PROFICIENT Golang, Node.js, C, C++, SQL (Postgres), Python, Objective-C (iOS), Elm, Express, HTML, CSS

FAMILIAR Docker, Kubernetes, AWS (S3, EC2, Lambda), gRPC, Kotlin (Android), ReasonML (OCaml)