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 UIs 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 (React, 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

POUCH, *Elm, Golang*

- 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, Flask*
- A blockchain based social network featuring immutable distributed data
- Winner of Hack the North 2016, Canada's largest hackathon

RUN! JUMP! SHOOT!, *CoffeeScript, HTML5*
- A 2D platformer action game designed to scale for any mobile device
- Implements object-oriented design to modularize code

MUSIC WRITING HELPER, *Objective-C*
- An iOS app to algorithmically determine chords in common keys, generate and play chord progressions, and display guitar chord charts
- Achieved over 6500 users in 60 countries through the App Store

WINDWARD CODE WARS, *Python*
- Achieved 2nd place in the international AI programming competition
- Designed an algorithm to competitively buy and sell stocks

SKILLS

ADEPT	JavaScript (ES6, ES7, 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	ReasonML (OCaml), Kotlin (Android), AWS (S3, EC2), gRPC, Protocol Buffers