

Victor Lai

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SKILLS

- Experienced with Android Java, C++, C, Windows C#, Git
- Passionate about learning, technology, user experiences, physical and mental health

EDUCATION

University of Waterloo • Bachelors of Software Engineering • 2016

WebGL Insight • Capstone Project

- Developed a Chrome extension for debugging WebGL applications with a React frontend in a team of 4

Model Train RTOS • Real-Time Operating Systems

- Built an interrupt-driven RTOS using C99 and CMake to control Märklin model trains around a track

WORK EXPERIENCE

Android Engineer Intern • Thalmic Labs • Sep - Dec 2015

- Debugged bottlenecks to improve network throughput by 2-5x in custom Bluetooth windowing framework
- Created a product demo for investors demonstrating live speech translation on a remote display

Windows Shell Engineer Intern • Microsoft • Jan - Apr 2015

- Started first 1440p WM10 builds by resolving manual dependencies across 3 patches and 500 files
- Added the brightness toggle button to the Action Center on Windows 10
- Rewrote the WM10 Display Settings page and added the Continuum external display controls

Outlook Services Engineer Intern • Microsoft • May - Aug 2014

- Prototyped creative native text messaging on WP8, Android, and iOS over an Azure server

Agile Engineer Intern • Pivotal Labs • Sep - Dec 2013

- Created the WP8 MTV media streaming app from scratch in 3 months in a team of 4
- Implemented the slide-in QR scanner using the camera and ZXing libraries for the CurrentC iOS wallet app

App Dev Intern, QA Analyst Intern • NexJ Systems • Jan-Apr 2013, May - Aug 2012

- Assumed the QA lead for ATBIS CRM and signed off a beta deployment to 3000 users
- Improved regression test speeds by over 10x by developing automated comparison PDF utility in Python

PROJECTS

Google Play Music Desktop Player Controller • Android App

- Developed an Android app to control the GPMDP over WebSockets

21 Day Advantage • WP8, Android Apps

- Created a WP8 journal app for Shawn Achor's TEDx talk, with 1000+ downloads
- Built an Android journal app integrating Dagger, RxAndroid and Firebase

Kinect Music Control • W10 WPF App

- Recognized voice commands using the Kinect 2.0 to control music playback