

# ALSTON LIN

ANDROID + RAILS DEVELOPER


Software Engineering 2020 @ University of Waterloo

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## LANGUAGES

Java  
JavaScript / Coffeescript  
Python  
C / C++  
HTML / CSS  
C#  
Ruby  
Bash

## FRONT END

Android  
jQuery  
React.js  
Unity  
Bootstrap

## BACK END

Rails  
Node.js  
PostgreSQL  
MongoDB  
Meteor.js

## INTERESTS

Machine Learning  
Design Patterns  
Graph Theory  
3D Graphics

## PROJECTS

Complete list at <http://alstonlin.io>

### CLIQ

<http://cliq.fm> (Closed Beta)

A social media web app where musicians can connect with their fans and share exclusive content to those that join their Cliq.

*Ruby, Rails, JavaScript, HTML / CSS, Bootstrap*

### CALCULALL

<http://bit.ly/1YJ2H7n>

An Android calculator that can display fractions, perform indefinite integration, diagonalize matrices, and more. *900+ Downloads*

*Android, Java, Algorithms*

### CASTLE ESCAPE VR

<http://bit.ly/2cmelvk>

An Infinite Runner game where players dodge lava and collect fuel with their jetpack in Virtual Reality.

*Unity, C#, 3D Graphics*

### LEARNING LOCK

<http://bit.ly/2cRZl1x> (Open Beta)

A lock screen that learns how you unlock your phone so that it can help detect and lock out imposters even if they know your pattern.

*Android, Java, Machine Learning*

### MURIQUI

<http://muriqui.xyz>

A web app where students can crowdsource unit tests for CS assignments.

*Ruby, Rails, Javascript, HTML/CSS, Bootstrap*

## WORK EXPERIENCE

### ENCIRCLE

MAY - AUG 2016

SOFTWARE DEVELOPER

- Submitted over 300 pull requests to the database, server, web, and Android codebase
- Implemented a V8 debugger capable of debugging JavaScript code running on Android, significantly reducing the time spent by developers fixing bugs
- Built a custom mobile JavaScript integration testing framework

*JavaScript, Python, Java, C++, Android, React.js, PostgreSQL, JNI*

### EVEREST MEDIA GROUP (CLIQ)

JAN 2016 - ONGOING

FREELANCE DEVELOPER

- Built the entire front and back end of the app, bringing the project from requirements to a shipped product
- Designed and implemented over 20 tables into the database
- Incorporated an online payment system using Stripe

*Ruby, Rails, JavaScript, HTML / CSS, Bootstrap*

## AWARDS

### WILDHACKS 2015

November 2015

SECOND PLACE out of 200+ team

Northwestern University

### TMX OPTIONS TRADING SIMULATION

April 2015

CERTIFICATE OF EXCELLENCE, Top 36 of 1700+

TMX Montreal Exchange