

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

WORK EXPERIENCE

ENCIRCLE

MAY - AUG 2016

SOFTWARE DEVELOPER

- Developed various features in 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

PROJECTS

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

CLIQ

See it at <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

See it at <http://bit.ly/1YJ2H7n>

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

Android, Java

LEARNING LOCK

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

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

Android, Java, Machine Learning

MURIQUI

See it at <http://muriqui.xyz>

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

Ruby, Rails, JavaScript, HTML/CSS, Bootstrap

CASTLE ESCAPE VR

See it at <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

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