



ALSTON LIN

FULL STACK + ANDROID DEVELOPER

Software Engineering @ University of Waterloo

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LANGUAGES

Java
Javascript
CoffeeScript
Python
C / C++
C#
Ruby
Bash
HTML / CSS
Matlab

Fluent in English, French, and Mandarin

FRAMEWORKS

Android
Node.js
Rails
React.js
Unity
Bootstrap
Meteor.js

TECHNOLOGIES

jQuery
PostgreSQL
MongoDB
JNI
Git

FIELDS

Machine Learning
Design Patterns
Graph Theory
3D Graphics

PROJECTS

[Complete list at http://alstonlin.io](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

CALCULALL

<https://play.google.com/store/apps/details?id=com.truechinnovations.calculall>

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

Android, Java, Algorithms

CASTLE ESCAPE VR

https://play.google.com/store/apps/details?id=io.alstonlin.castle_runner

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

Unity, C#, 3D Graphics

LEARNING LOCK

A lock screen that learns how you unlock your phone so that it can help detect and lock out imposters.

Android, Java, Machine Learning

WAR OF THE AGES

A Real Time Strategy game where users build their city, economy, and army and play against an AI or others online.

Java, Graph Theory

QUICKVID

An Android app that allows people to share or explore quick videos uploaded nearby, and rate them by swiping left or right

Android, Java, Javascript, Node.js, MongoDB

WORK EXPERIENCE

ENCIRCLE

MAY - AUG 2016

SOFTWARE DEVELOPER

- Implemented various features in the database, server, web, and Android codebase
- Implemented a V8 debugger capable of debugging javascript code running on Android
- Designed a custom testing framework for mobile javascript code

Javascript, Python, Java, C++, Android, React.js, PostgreSQL, JNI

EVEREST MEDIA GROUP

JAN 2016 - ONGOING

FREELANCE DEVELOPER (CLIQ)

- Designed and Implemented the entire database schema
- Developed logic for controllers and connected them to the views
- Incorporated an online payment system using Stripe

AWARDS

WILDHACKS 2015

SECOND PLACE out of 200+ teams

Northwestern University, November 2015

CANADIAN COMPUTING COMPETITION

CERTIFICATE OF DISTINCTION, Top 130 of 1200+

University of Waterloo, April 2014

TMX OPTIONS TRADING SIMULATION

CERTIFICATE OF EXCELLENCE, Top 36 of 1700+

TMX Montreal Exchange, April 2015