



ALSTON LIN

FULL STACK DEVELOPER


Software Engineering 2020 @ University of Waterloo

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LANGUAGES

Java
Javascript / Coffeescript
Python
C / C++
Ruby
Bash
HTML / CSS
Matlab

Fluent in English, French, and Mandarin

FRAMEWORKS

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

TECHNOLOGIES

JQuery
PostgreSQL
MongoDB
JNI
Git

FIELDS

Machine Learning
Design Patterns
Graph Theory
3D Graphics

PROJECTS

CALCULALL

<https://play.google.com/store/apps/details?id=com.truechininnovations.calculall>
An Android calculator that can display fractions, perform indefinite integration, diagonalize matrices, and more. 900+ Downloads
Android, Java, Algorithms

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 can build their city, economy, and army to defeat an AI or other people online.
Java, Graph Theory

3DRAW

A web app where anyone can collaborate with each other to create 3D models in real time.
Javascript, Node.js, MongoDB, 3D Graphics

BLOCK SURVIVAL

(Minecraft Clone) A sandbox game where players can mine, craft, explore, build, and fight zombies in a randomly generated world.
Java, 3D Graphics

POLARFEED

An Android Application that helps attendees of an event easily share pictures to each other online. Won Second Place in WildHacks
Java, Javascript, Android, Node.js, MySQL

See more projects at <http://alstonlin.io>

WORK EXPERIENCE

ENCIRCLE

SOFTWARE DEVELOPER

Implemented various features for the database, server, web, and Android
Implemented a V8 Debugger capable of debugging javascript code running on Android
Designed a custom testing framework for javascript that records and plays back events that occur in a mobile application, checking that they are consistent
Javascript, Python, Java, C++, Android, React.js, PostgreSQL, JNI

EVEREST MEDIA GROUP

FREELANCE DEVELOPER

Created a social media website where musicians can connect with their fans and provide exclusive content to those that join their Cliq
See <http://cliq.fm> (Currently in Alpha)
Ruby, Rails, Javascript, Bootstrap

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