

PROJECTS

CALCULALL

June 2014 - September 2015

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

An Android calculator that can display fractions, perform indefinite integration, diagonalize matrices, and more. *600+ Downloads*

Java, XML, Android, Data Structures, Design Patterns, Algorithms

MURIQUI

<http://muriqui.xyz>

November 2015 - January 2016

A web app where students can share their unit tests for Computer Science assignments. *50+ Active Users*

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

POLARFEED

November 2015

An Android Application where attendees of an event can share pictures online. *Won Second Place in WildHacks*

Java, XML, JavaScript, Android, Node.js, MySQL, Databases, RESTful APIs

WAR OF THE AGES

October 2013 - December 2013

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

Java, Graph Theory, Data Structures, Design Patterns

BLOCK SURVIVAL

October 2012 - December 2012

A 3D sandbox game, similar to Minecraft, created in Java and JMonkeyEngine (OpenGL Engine).

Java, 3D Graphics, Concurrent Programming, Design Patterns, Data Structures

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

JOB EXPERIENCE

FOUNDER AND HEAD DEVELOPER

TruTech Innovations Inc.

June 2014 - Present

Developed high level frameworks for Android and Web applications

Coordinated a team of several developers to complete various projects

Implemented algorithms to simplify algebraic expressions

Projects: *Calculall*, *Logistica* (in Development)

CONTRACT DEVELOPER

Everest Media Group

December 2014 - Present

Led a small team in creating a Web application with Ruby on Rails

Developed a user account system with social networking features

Planned and implemented the database schema

Projects: *Clique* (in Development)

AWARDS

WILDHACKS 2015

Second Place

Northwestern University, November 2015

Out of 200 Teams

CANADIAN COMPUTING COMPETITION

Certificate of Distinction

University of Waterloo, April 2014

Top 130 of 1200

TMX OPTIONS TRADING SIMULATION

Certificate of Excellence

TMX Montreal Exchange, April 2015

Top 36 of 1700



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LANGUAGES

Java

Python

C / C++

HTML / CSS

JavaScript

Ruby

Fluent in English, French, and Mandarin

TECHNOLOGIES

Android

Rails

Bootstrap

Meteor.js

Node.js

THEORIES

Graph Theory

Data Structures

Algorithms

Design Patterns

3D Graphics

Machine Learning

OTHER

Git

Bash

Vim

JQuery

Material Design