

CALVIN SIMRAN RAI

Front-End & Mobile Application Developer

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EDUCATION

React Developer Nanodegree

December 2018 | Udacity

Front End Developer Nanodegree

October 2018 | Udacity

Android Basics Nanodegree

October 2018 | Udacity

M.S. Structural Engineering

March 2017 | UC San Diego | 3.65 GPA

B.S. Civil Engineering

June 2015 | Cal Poly Pomona | 3.65 GPA



SKILLS

React / Redux	Java
JavaScript ES6	Android Studio
HTML / CSS	Visual Studio Code
Git / GitHub	Gravit Designer
Jasmine	MATLAB
Python	C# / .NET
AutoCAD 3D	Trimble SketchUp



COURSES

Java Programming
C# Software Programming I
Intro to Programming Nanodegree
Visual Basic Programming
Principles of Information Systems
Calculus for Engineers I, II, & III
Matrix & Linear Algebra
Multivariable Vector Calculus
Physics for Scientists & Engineers I, II, & III
Vector Statics & Vector Dynamics



PROJECTS

Sep 2018 Kyoto Explore Neighborhood Map React App

A React app utilizing the Google Maps and Foursquare API's to showcase a list of sights in Kyoto, Japan. This was the final project for the Front End Developer Nanodegree from Udacity.

Aug 2016 4-Story Modal Analysis Android App

Designed and deployed a single-screen application for civil/structural engineering students to study structural dynamics utilizing the JAMA matrix library and GraphView graphing library.

May 2012 to Simmy Sigma

Current

A personal YouTube project consisting of various engineering, educational, and programming topics. 26,000+ subscribers and over 4 million views.



EXPERIENCE

Apr 2017 to Structural Designer I / LPA, Inc.

Mar 2018

Responsible for computational analysis & structural design of K-12 schools, corporate complexes, & other structures in collaboration with LPA Architects Graphic, & Interior Designers.

Jan 2016 to Structural Engineering Department Grader

Mar 2017

/ UC San Diego
Graded for two undergraduate senior capstone projects and a MATLAB programming course. Mentored coding lab sessions. Head Grader for an Introduction to Structural Engineering course.



LEADERSHIP

Sep 2014 to Soccer Stadium Design Project Manager

Jun 2015

/ Cal Poly Pomona

- Managed 3 sub-teams (16 members) to design a 20,000-seat pre-cast concrete soccer stadium and assist in all structural analysis & design
- Oversaw preliminary and final design, prepared team tasks, meetings, & presentations
- Project was chosen by the department to be presented at the CEMA Banquet, Engineering Symposium, & Project Showcase

2018 Grow with Google Developer Scholarship | Udacity

2015 Kellogg Undergraduate Scholars \$1000 Research Scholarship

2010 John "Brown" Sandoval Music Scholarship Award