

// EDUCATION

REACT DEVELOPER NANODEGREE

Udacity | January 2019

ANDROID BASICS NANODEGREE

Udacity | October 2018 | Scholarship

M.S. STRUCTURAL ENGINEERING

UC San Diego | March 2017 | GPA: 3.65

B.S. CIVIL ENGINEERING

Cal Poly Pomona | June 2015 | GPA: 3.65

// SKILLS

Android Studio	React / Redux
Kotlin / Java	React Native
ReactiveX / RxJava	JavaScript ES6
OkHTTP / Retrofit	HTML / CSS
Git / GitHub	Visual Studio Code
MATLAB	Gravit Designer
C# / .NET	Adobe XD
Python	Mockito / JUnit
Trimble SketchUp	AutoCAD 3D

// COURSES

Java / C# Programming
Aerospace Structural Mechanics
Advanced Structural Analysis
Analysis of Composite Materials
Matrix & Linear Algebra
Multivariable Vector Calculus
Physics for Scientists & Engineers

// PROJECTS

REELTIME ANDROID APP //May 2019

Collaboratively developed a social networking application where users could create events to see movies with friends. Kotlin-based tech stack included reactive programming with RxJava2, networking with Retrofit, and MVVM app architecture.

KYOTO EXPLORE NEIGHBORHOOD REACT APP //Sep 2018

Responsive React web application to showcase the many places to see and visit in Kyoto, Japan. Integrated Google Maps and Foursquare API's into the React framework.

4-STORY MODAL ANALYSIS ANDROID APP //Aug 2016

Structural analysis modal application for civil/structural engineering students. Utilized JAMA and GraphView libraries. Algorithm consisted of matrix and linear algebra structural dynamics and analysis computations.

SIMMY SIGMA YOUTUBE PROJECT //May 2012 - Current

Various educational content from fluid mechanics to structural engineering to programming & coding. 30,000+ subscribers & 6+ million views.

// EXPERIENCE

SOFTWARE DEVELOPER APPRENTICE (ANDROID)

Accenture Digital Products (Intrepid Pursuits) | Apr 2019 - Jun 2019 | Boston, MA

Responsible for working collaboratively with UI/UX designers and web developers to build, test, and deploy Android applications. Technologies include focus on reactive programming with Rx, unit testing with Mockito, and web integration with REST API's and MVVM architecture. Heavily integrated in the Agile (SCRUM) workflow and responsible for creating and delivering client-side presentations and demos.

STRUCTURAL DESIGNER I

LPA, Inc. | Apr 2017 - Mar 2018 | San Diego, CA

Responsible for computational analysis and structural design of various K-12 schools, corporate complexes, & other structures. Open collaborative environment with other LPA architects & interior designers.

STRUCTURAL ENGINEERING DEPT. GRADER

University of California | Jan 2016 - Mar 2017 | San Diego, CA

Lead tutor & TA for an undergraduate MATLAB programming course. Head grader for two senior project capstone courses.

// SOCIAL

🐙 <https://github.com/raicalvin>

🌐 <https://www.linkedin.com/in/csrai/>

📄 <https://portfolium.com/raicalvin>

🐦 <https://twitter.com/iamcalvinrai>