

# Daniel Nguyen

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## Education

**Bachelors of Science** in Computer Science  
University of California, Riverside  
GPA: 3.44

September 2014 - June 2018

## Skills

**Programming:** C++, Javascript, HTML, CSS

**Familiar with:** C, MySQL, Opencv

**Other coursework:** Git, Latex, xv6, Embedded Systems (ARM), Operating Systems Design, Object Oriented Design, Data Structures & Algorithms I & II

## Work Experience

**Bournes College of Engineering**, University of California, Riverside  
*Undergraduate Research Assistant*

February 2017 - present

- Implementing object detection algorithms in opencv to detect recurring motifs in images
- Mapping unique keypoints in images to later be used to detect and distinguish different objects

## Projects

**UCR Population Data Visualizer (Hackpoly)** - Cal Poly Pomona, CA

February 2017

- Made a website and used WebGL to create an interactive 3d model of a globe and plotted thousands of city's population data from a UN census
- Designed a function that, when a city is selected, used the Wolfram Alpha API to return any city's statistical data and display it next to the globe
- Won Wolfram Alpha's prize for best use of Wolfram Alpha API

**Crowd Track (SB Hacks III)** - University of California – Santa Barbara, CA

January 2017

- Used IBM Bluemix's Watson IoT platform to gather real-time location data of simulated devices and serve up a visualization using google maps API on a web app
- Stored incoming data in IBM's Cloudant NoSQL database, and used Node-RED to act as the web app's backend and fetch and parse stored data
- Won IBM IoT prize for best use of Watson IoT platform on IBM Bluemix

**Stock Market Predictor**

November 2016

- Designed program that collected records of a company's stocks from the previous year
- Used supervised learning to train the program to predict the company's stock based on past values

**UCR phone finder**

November 2016

- Designed web and mobile app that allowed users to login and see their phone's location on a map
- Used Google maps api to display location of the user's phone on the website.