

# Armando Silva

Full Stack Web Developer for the  
Division of Population Behavioral Health

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## EDUCATION

### Bachelors of Science, Computer Science

University of California, Santa Cruz June '16

## WORK EXPERIENCE

### UCLA Health - Full Stack Web Developer

Oct '16 - June '20

- Lead team members to design and implement LAMP stack web applications for the Semel Institute, a top five facility nationwide.
- Developed CI/CD using GIT, Docker, and AWS EC2 instances to improve deployment processes for the CMS/LMS platforms.
- Built Drupal 8 custom modules and themes written in PHP which integrated third-party API, such as Constant Contact E-mailing list.
- Optimized service layers, request queues and client-side scripts to reduced load times by 3000% and increased SEO optimization.

### Physics of Engineering Teaching Assistant - John Hopkins

June '16 - Aug '16

- Assisted students ages 10 to 13 year olds in grasping a better understanding of the basic concepts of physics, such as: mechanics, buoyancy, resistors, circuits, and energy.
- Facilitated team building projects, such as: architectural designed bridges, solar panel robotics, and pipe insulation roller coasters at the University of Roger Williams, RI.

### Computer Science Lab Tutor & Grader - UC Santa Cruz

Sept '15 - June '16

- Assisted and guided students from The Introduction of Computer Science labs for Professor Charlie McDowell, Dimitris Achlioptas, and Seyedehpardis Miri.
- Tutored three sessions of 15-20 students per week to help them grasp an understand of the concepts OOP in Java. Concepts included: functions, conditional statements, lists, logic and recursion.

### Software Developer - UC Santa Cruz

July '15 - Sept '15

- Collaborated with two engineers and Professor Massaro to implement a behavioral case study on adolescent children using software and hardware.
- Enabled user motion detection using an Arduino, Microsoft Kinect V1, and Processing 2.0.

## PROGRAMMING SKILLS

Java

Javascript

PHP

C

MySQL

REST

Ractive.js

Python

Angular

React/Node.js

## TOP PROJECTS

### Mandohs.com

#### WordPress + React JS Web Application

Jun '20 - Currently

- Developed a personal cost efficient website ran on AWS Lightsail Virtual Sever, WordPress, and a LAMP Stack
- Integrated a headless React webform with Material UI on AWS S3 bucket. On submit, the form calls a API Gateway that triggers a Lamda function, sending an email using AWS SES and stores the message in AWS DynamoDB

### Rent-A-Cat

#### Python Web-Based Application

Sept '15 - November '15

- Worked with three software engineers as the product owner to produce a website which allowed users to be able to add/edit/delete posts about cat rentals dynamically.
- Implemented a ractive, python, RDBMS framework to allow users the ability to fetch, get, post their data onto MySQL databases.

### Driving Tracker

#### Android Mobile Application

Jan '15 - March '15

- Collaborated with three software engineers using Scrum project management to build an Android application that tracks the amount of driving in miles/time owed between app users.
- Integrated API calls to MongoDB using Java and XML with Android Studio in order to FETCH/GET/POST/PUT/DELETE data between users.

### Haiku Helper

#### Android Mobile Application

Jan '15 - March '15

- Collaborated with two software engineers to design and create an android application that helps users write Haiku poems.
- Using Retrofit API, Android's text to speech, and querying; the design application was able to determine and suggest to users Haiku poems.