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Skills

PROGRAMMING

C++
Javascript
Swift
Ruby
MongoDB
SQL

FRAMEWORKS

Node.js
React.js
TensorFlow
Spring
Maven
Rails

AGUSTIN RODRIGO BALQUIN

SOFTWARE ENGINEER | BACK-END WEB DEVELOPER

Experience

Facebook, Inc.

Software Engineering Intern

Menlo Park, California

Jun 2017 to Aug 2017, Jun 2018 to Aug 2018

Cisco Systems

Contract Software Engineer

San Jose, California

Sep 2016 to Dec 2016

- Increased efficiency in detecting anomalies in network streams, reducing computational runtime by more than half the previous standard.
- Created Media Quality assessment testing services for WebEx and Spark to help engineers develop and configure company programs.
- Developed automation software to gather data from large video sets for use in document recognition.

Cisco Systems

Software Engineering Summer Hire

San Jose, California

Jun 2016 to Sep 2016

- Improved functionality of company resources and server efficiency by 120% when performing multiple asynchronous calls.
- Designed backend architecture and implemented an updated REST api for testing harnesses to monitor Cisco endpoints.
- Lead the migration of server applications from cache to updated database systems using MongoDB and Postgres while meeting our deadlines

Lead Web Developer

RDev

Riverside, California

Apr 2016 to Current

- Build and develop websites for small businesses local to Riverside, CA to help improve their online portfolios

Awards

Apeeling Eats - 1st Place

HackPoly

Feb 2017

- Created an online service that built user generated "menus" with weighted scores using natural language processing and sentiment analysis.
- Developed a Convolutional Neural Network that proved effective and sufficient when compared to IBM Watson's algorithm
- Build the full stack of the website with integration of Yelp and Google Maps API to plot and fetch data on the map page.

IBM Watson Cubed - IBM IoT Project Winner

IBM | SBHacks

Apr 2016

- Implemented the IoT software running on IBMbluemix to retrieve real time calls from Watson API sensors and send data over to "Watson".
- Configured the Raspberry Pi to read inputs from a Node.js server hosting data to trigger different scripts including message and calendar notification and Google Calendar API.
- Lead the software development by integrating the IBM API information retrieval, Arduino LED matrix interface, and LEAPMotion technology into one coherent system for users to interact with the physical "Watson" through hand gestures while being able to send information back to the server.

SignMeIn.online - Best Web App

BeachHacks

Apr 2016

- Developed a web application to solve bottle-necking check-in services have through by minimizing the necessary organizer and attendee actions
- Designed the check-in authentication system through location based algorithms to triangulate the users' position and measure their distance from the predetermined event location.

Dean's List

University of California, Riverside

Fall 2016

- Fall15, Winter 16, Spring 16, Fall 16, Winter 17, Spring 17

Excellence Scholarship

University of California, Riverside

Fall 2016

- 2015-2016, 2016-2017

Projects

KiSpot

Feb 2016 to Mar 2016

- Created a fully functional Social Media application using the web framework Ruby on Rails
- Implemented user login and user authentication system with unique hashing as well as "like", and "favorite" functionality for posts
- Enabled image rendering using ImageMagick and managed a PostgreSQL database to support the web application

Education

University of California, Riverside

B.S. Computer Science and Engineering 2019
GPA 3.73