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Skills

PROGRAMMING

C++

Javascript

Java

SQL

MongoDB

Ruby

FRAMEWORKS

Node.js

React.js

TensorFlow

Spring

Maven

Rails

AGUSTIN RODRIGO BALQUIN

SOFTWARE ENGINEER | BACK-END WEB DEVELOPER

Experience

Facebook, Inc. — Menlo Park, California
Engineering Summer Hire — Jun 2017 to Aug 2017

Cisco Systems — San Jose, California
Contract Software Engineer — 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 — San Jose, California
Software Engineering Summer Hire — 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

Lead Web Developer — Riverside, Carlifonia
RDev — Apr 2016 to Current, 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 — Feb 2017
HackPoly
• 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 — Apr 2016
IBM | SBHacks
• 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 — Apr 2016
BeachHacks
• 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 — Fall 2016
University of California, Riverside
• Fall15, Winter 15, Spring 16, Fall 16

Excellence Scholarship — Fall 2016
University of California, Riverside
• 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