AGUSTIN RODRIGO BALQUIN

SOFTWARE ENGINEER | BACK-END WEB DEVELOPER

✉ abalq001@ucr.edu
☎ (562) 506 - 3648
in agustinbalquin
○ agustinbalquin

Skills

PROGRAMMING

C++
Javascript
Java
SQL
MongoDB
Matlab
HTML/CSS
Ruby
Git

FRAMEWORKS

Node.js
React.js
Tensorflow
Spring
Maven
Rails

Experience

Cisco Systems
Contract Software Engineer

San Jose, California
Sep 2016 to Dec 2016

• Created Media Quality assessment testing services for WebEx and Spark to help engineers develop and configure company programs.
• Implemented efficient algorithms to better help detect anomalies occurring during network streams.
• 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

• Designed backend architecture and implemented an updated REST api for testing harnesses to monitor Cisco endpoints.
• Improved functionality of company resources when performing multiple asynchronous server calls.
• Lead the migration of server applications from cache to updated database systems using MongoDB and Postgres

Awards

Dean's List
University of California, Riverside

Jun 2016

• Fall15, Winter 15, Spring 16

Excellence Scholarship
University of California, Riverside

Jun 2016

• 2015-2016, 2016-2017

IBM Watson Cubed - Best IoT Project
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.

Education

University of California, Riverside
B.S. Computer Science and Engineering 2019
GPA 3.8

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