Agustin **Balquin**

SOFTWARE ENGINEER · BACK-END WEB DEVEOPER
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Education

University of California, Riverside (UCR)   *Riverside, California*
BOURNS COLLEGE OF ENGINEERING   *GPA 3.75*
B.S Candidate in Computer Science and Engineering

Experience

IBM "Watson Cubed"   *Santa Barbara, California*
IBM API CHALLENGE WINNER - UCSBHACKS   *April 22. 2016 - Apr.24 2016*
- Implemented the IoT software running on IBM bluemix and the Node-Red platform to retrieve real time events from Watson API sensors and manipulate the data over to an arduino "Watson".
- Configured the Raspberry Pi to read inputs from a Node.js server hosting simulated data to trigger different scripts including live message notification and Google Calendar API.
- Lead the software development by integrating the IBM API information retrieval, Arduino LED matrix interface, and LEAP Motion 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   *Long Beach, California*
TOP 6 FINALIST - BEACHHACKS, CSULB   *April 2. 2016 - 3. 2016*
- Developed a Node.js web application meant to solve the bottle-necking problem that manual check-in services have through a simple user interface and minimizing the necessary organizer and attendee actions with the help of Angular.js and Express.js.
- Implemented MongoDB as the database to hold all the collections for events, check-ins, and users for the application.
- Designed the check-in authentication system through location based algorithms with the help of HTML Geolocation and ESRI ArcGIS API to triangulate the users' position and measure their distance from the predetermined event location.

KiSpot   *Riverside, California*
CITRUSHACK - SOCIAL MEDIA APPLICATION   *Nov 6. 2015 - Nov 8. 2015*
- 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 to allow images, gifs and animations on the website
- Managed a PostgreSQL database to support the web application on Heroku

Computer Science Tutor   *Riverside, CA*
UNIVERSITY OF CALIFORNIA, RIVERSIDE   *September 2015 - Present*
- Provide tutoring for CS department classes ranging from Introduction to Computer Science to Data Structures and Algorithms
- Teach struggling students in person meetings as well as online classes.

Extracurricular Activity

Association of Computing Machinery (ACM)   *Riverisde, California*
MEMBER   *Sept. 2015 - Present*
Participate in bi-weekly office meetings and event committee member for Citrus Hack 2016-2017 in the upcoming fall semester.

Honors & Awards

2016	**Dean's List**, Received for achieving an exceptional GPA	*Riverside, California*
2016	**IBM Watson API Winner**, UCSBHacks finalist	*Santa Barbara, California*
2015	**Highlander Excellence Scholarship**, University of California, Riverside	*Riverside, California*

Skills

- Languages: C++, Javascript, Ruby, Python
- Frameworks: Node.js, Express.js, MongoDB, SQL, Ruby on Rails, TensorFlow