Miguel Angel Berumen, Jr.

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Education

University of California, Santa Cruz   Santa Cruz, CA   Oct. 2014-Present
- B.A. in Computer Science, Expected June 2018
- Cumulative GPA: 3.42/4.0
- *Relevant Coursework:* Intro to Software Engineering; Mobile Applications; Advanced Computer Networks; Intro to Database Systems; Distributed Systems; Intro to Computer Networks; Algorithms and Abstract Data Types; Data Programming for Visualization

Programming Skills

- Advanced in Python, Flask, GNS3, TCP/IP+networking, Git, REST
- Proficient in HTML5, CSS3, JavaScript, Ruby/Rails, AngularJS, SQL, Java, D3.js, Linux
- Basic knowledge of PostgreSQL, Heroku, Bootstrap, Web.py, PyQt5, C, C++, jQuery, NodeJS

Coding Projects

Virtual Closet - Hack UCSC   Santa Cruz, CA   Jan. 20-Jan. 22, 2017
- Application integrated with the Amazon Echo for creating and accessing a "virtual closet", i.e., add and choose clothes/outfits
- Android Studio, Amazon Web Services, and Firebase for the database. Also used: Node.js, Amazon Lambda functions

Slug Nutrition - Cal Hacks 3.0   Berkeley, CA   Nov. 11-Nov. 13, 2016
- Mobile application for tracking nutritional macros and extracting nutritional facts from food labels
- Android Studio, Python + Flask (backend server/custom API), Microsoft Computer Vision API

Comparing the Hottest Peppers   Santa Cruz, CA   March 2016-June 2016
- Data visualization of the world hottest/popular peppers, informational and interactive
- Utilized D3.js, JavaScript, HTML + CSS, and CSV files for visualization and data binding

Work Experience

UCSC Residential Network   Santa Cruz, CA   Sept. 2015-Present
Lead Technical Support Specialist
- Reinstall Operating Systems, and reformat and repair computers (desktop and laptop), which includes removing viruses, malware, and spyware; repaired 300+ computers
- Configured 1000+ routers for campus network compliance
- Network troubleshooting and software installation – in-office, in-house, and over the phone

Cisco Systems, Inc.   San Jose, CA   June 2016-Sept. 2016
IT Engineer Intern
- Developed a web page in HTML, CSS, JavaScript, jQuery and Bootstrap for TAC engineers to advise them in creating RMA incidents for clients based on a number of factors pertaining to replacement parts
- Wrote a Python script that emulates the VLOOKUP excel function to reduce the amount of time spent transferring data between 200+ excel workbooks from days to minutes
- Edited an existing Python script to extract last RMA (Return Merchandise Authorization) information for used/unused parts from Cisco's parts database, and transfers the information into Excel workbooks for parts RMA obsolescence analysis

Leadership/Activities

- Treasurer at Society of Hispanic Professional Engineers UCSC Chapter   June 2017-Present
- INROADS Intern   June 2016-Present
- Project Chair at Society of Hispanic Professional Engineers UCSC Chapter   Oct. 2016-June 2017