

Alonzo Javier Benavides

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Contact

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U.S. Citizen

Programming

Java
C/C++/C#
Ruby
ML
Matlab

Web

HTML
CSS
Ruby on Rails
XML
Apache

Database

PostgreSQL
MySQL

Scripting

JSP
Python
PHP
Bash

Languages

Fluent in English
and Spanish

Education

Carnegie Mellon University | School of Computer Science
Pittsburgh, PA | GPA - 3.41/4.00
Bachelor of Science in Computer Science | May 2010
Bachelor of Science in Physics | May 2010

Experience

NASA Ames Research Center | Moffett Field, CA | Summer 2008, 2009
Java Developer, Ensemble Group
.: Worked with a team consisting of three senior developers
.: Created a search feature to help mission planners modify large plans
.: Redesigned search feature to integrate an index-based search engine
.: Added an Eclipse search results plug-in to create a search results view
.: My contributions are included on all current software releases
.: User testing of my feature has shown strong positive feedback

NASA Jet Propulsion Laboratory | Pasadena, CA | Summer 2007
Programmer, Planetary Sciences
.: Configured and installed software to analyze asteroids on JPL machines
.: Modified the asteroid software using Matlab to simulate the thermal physical properties of Saturn's ring particles
.: Used Python to simulate the brightness temperature of Saturn's rings
.: Corrected outdated IDL programs that compute ring particle properties

Optimal Learning Lab | Pittsburgh, PA | Spring 2007
Programmer, Research and Development
.: Analyzed a mathematical model for human language learning by coding routines in Java to graphically compare model and human data
.: Calculated and displayed user learning curves based on research data
.: Integrated graphing routines into company software

Leadership

Philanthropy Chair for Sigma Alpha Epsilon | Fall 2009
.: Organized the First Annual CMU Donut Dash fundraiser which had 100 participants and raised \$5,000+ for Children's Hospital of Pittsburgh
Graduate of The John O. Moseley Leadership School | Summer 2009
.: Received Collins Fund Leadership School Scholarship
Carnegie Mellon Orientation Counselor | Fall 2008, Fall 2009
.: Assisted incoming freshmen in their transition into the CMU community
Chief Technical Officer for Sigma Alpha Epsilon | Fall 2008 – Present
.: Worked with other officers to utilize the chapter website and server

Awards

Magna Cum Laude National Scholars Honor Society | 2008 – Present
Deans List | Spring 2008, Fall 2009
Carnegie Mellon Student Employee of the Year | 2007 – 2008
NASA Motivated Undergrad in Science and Tech. | 2007 – Present