

Alexander V Gutierrez

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OBJECTIVE

I am seeking to expand on computer technology skills and knowledge through work in software engineering, robotics programming, computational modeling, and computer research.

EDUCATION

California State Polytechnic University, Pomona

Bachelor of Science, Computer Science

Expected Graduation: June 2012

Cumulative GPA: 3.84, **Major GPA:** 3.93

Honors: LSAMP Research Scholar (2011 – Present), McNair Scholar (2010 – 2011), National Science Foundation S-STEM Scholarship (2010, 2011), Boeing Computer Science Scholarship (2010, 2011), Boeing SEES Scholarship (2011), President's & Dean's Honor List (2008 – 2011)

RELATED COURSEWORK

Mobile Robots, Robotic Arms, Distributed Intelligence in Robotics, Artificial Intelligence, Secure Communication, Database Systems, Compilers, Computer Organization and Assembly Programming, Linear Algebra, Mathematical Modeling and Simulation, Laplace Transforms and Fourier Series, Differential Equations, Computational Physics

COMPUTER SKILLS

Languages: C / C++, Java, JavaScript, PHP, ColdFusion, Python, Ruby, SQL / T-SQL

Software: Dev-C++ IDE, Eclipse IDE, Microsoft Visual Studio, SQL Server, MySQL, Ruby on Rails, GNU/Linux, Adobe Photoshop, Dreamweaver

EXPERIENCE

Ground Data Systems Intern, NASA Jet Propulsion Laboratory, Pasadena, CA June 2010 – May 2011

- Develop and implement features into a web-based flight and ground dictionary management system for Soil Moisture Active and Passive's mission-specific requirements.
- Work with creating and processing complex object models to form an application that is both simple to use and powerful.
- Design extensive version control system to effectively track and present hundreds of dictionary revisions while handling multiple object definition changes.

Director of Operations, OpenWebster March 2009 – May 2010

- Managed day-to-day operations of private web hosting business including working with clients to resolve issues, moderating clients and services, and ensuring proper functioning of servers.
- Worked with implementation of services such as the creation and management of web hosting accounts.
- Assisted in website maintenance with HTML, CSS, and Python as well as allocation of necessary resources including server hardware and application software.

Web Developer, California Department of Transportation, Irvine, CA July 2009 – September 2009

- Worked with ColdFusion and SQL to create web pages and improve the website for the Project Management Office while maintaining a user-friendly online work environment and reducing application overhead.
- Effectively delivered necessary data by optimizing dozens of databases and creating efficient query methods.
- Performed regular maintenance on over a hundred web pages and quickly solved issues as they arose.

AFFILIATIONS AND ACTIVITIES

Treasurer, Computer Science Society, Cal Poly Pomona June 2010 – Present

- Manage the ACM Student Chapter's budget and collaborate with President to allocate proper funding to club activities and administrative costs.
- Coordinate local programming contests and the school's ACM ICPC teams.

Member, Kellogg Honors College, Cal Poly Pomona September 2008 – Present

- Participate in challenging courses to further learn topics and inspire research ideas.
- Meet with other honors students and do community service activities that build leadership and foster teamwork such as raising money for foundations and charities.