

CHRISTIAN GUERRERO

christian.guerrero.cs@gmail.com • 615-775-7215 • christian-guerrero.com

EDUCATION

Harvey Mudd College - Claremont, CA

B.S. Computer Science/Engineering - May 2016

- Chicano Latino Alumni Association Book Award
- Dean's List

Relevant Coursework

Public Speaking • Management of Technical Enterprise • Ethical Issues in Science & Engineering • Multivariable Calculus • Differential Equations/Linear Algebra II • Fourier Series & Boundary Value Problems • Intro to Computer Science • Principles of Computer Science • Robotics Lab • Autonomous Robotics Navigation • Software Development Fundamentals

SKILLS

Programming Languages: C++, Python, SQL, C#/.NET, MATLAB, LabVIEW, Java, HTML, CSS, XML

Software & Tools: TFS, JIRA, Visual Studio, SharePoint, SQL Server Management Studio, Command Line, GIT, Virtual Box, Linux, Windows, Mac, Eclipse, Igor Pro, LaTeX, Microsoft Office, WinMerge

Exposure to: ASP.NET MVC, JavaScript, DOS, Windows IIS, MSMQ, Entity **Other:** Bilingual (Spanish)

EXPERIENCE

Software Test Engineer – Accenture – Nashville, TN

January 2017 – Present

- Placed 2nd in training group and achieved Mastery Level in the Duck Creek (an insurance policy software suite) software boot-camp assessment
- Plan, construct, and execute test scripts for the Geico Duck Creek Billing Team
- Apply functional knowledge, including testing standards, guidelines, and testing methodology to meet the team's overall test objectives
- Reduced time for environment setup for future Geico resources by 85% (from a week to one day)
- Automated weekly process by writing DOS script for SQL script updates
- Ensure testing results are easily accessible and understandable
- Track defects to closure and kept defect repository up-to-date
- Held Knowledge Transfer (KT) sessions to onboard new Geico resources
- Recognized by peers for helping other Nashville resources assigned to other client projects
- Partake in daily and weekly scrum meetings with Team Leads and Project Managers
- Responsible for content development in Policy team by using the Duck Creek Author software
- Solved math problems in C# from the Project Euler site during down time at work

Software Engineering Intern – The Aerospace Corporation

September 2015 – May 2016

- Helped enhance the graphical features of the Satellite Orbit Analysis Program (SOAP) as part of an industry-sponsored project by using C++, Visual Studio, and qt
- Contributed to the Statement of Work (SOW) presented to company liaisons
- Implemented realistic smoke into a standalone qt application as one of the final deliverables
- Partook in weekly teleconferences with the company liaisons
- Presented results to high-level managers and liaisons at The Aerospace Corporation and to students and faculty

Autonomous Robotics Navigation and Robotics Lab

Spring 2014, 2015

- Implemented odometry localization, point-tracking, particle filter localization, and image-processing on a Dr. Jaguar Lite robot using C and placed 1st in a team competition
- Programmed an AR Drone 2.0 to be controlled with hand gestures using Python, ROS, and a Leap Motion
- Implemented line-tracking, laser-based navigation, and image-processing with Kinect Camera and Rumba robot

RESEARCH

Aerospace Engineering Research Assistant - University of Illinois at Urbana Champaign

Summer 2014

- Debugged, tested, and further optimized GSAD, an Algorithmic Differentiation C++ library that exploits matrix sparsity used for cubesats

Physics Research Assistant - Pomona College

Summer 2013

- Assisted in the construction, optical alignment, and maintenance of a low-cost Adaptive Optics (AO) system
- Developed Python scripts that updated users on system status