

Luis D. Catacora

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SKILLS	Operating Systems:	Windows, Linux (MacOS, Ubuntu, Fedora, CentOS, Backtrack/Kali)
	Programming Languages:	Proficient JavaScript (jQuery, React Native, NodeJS), C++, C#, Java Familiar with MySQL, Python, MATLAB, PHP
	Software:	Unity3D, Unreal Engine Adobe Products: Flash, Photoshop, Dreamweaver
	Foreign Languages:	Proficient in written and spoken Spanish Knowledgeable in written and spoken French
PROFESSIONAL EXPERIENCE	Booz Allen Hamilton: Senior Technologist Consultant	6/2016 – Present
	<ul style="list-style-type: none">Optimizing a project within the Veterans Affairs DepartmentUser Interaction fixes in JS, middleware Tomcat REST calls, and backend SQL queries	
	Hybrid Systems Integration and Simulation Laboratory: Student Researcher	10/2013-5/2016
	<ul style="list-style-type: none">Simulating an ICU telemetry monitoring environment using Unity3DFormulating flexible and interchangeable scenarios for test participantsHandling creating presentable demos to clients and lab visitors	
	Goldman Sachs: Summer Analyst FinEng Intern	5/2015-8/2015
	<ul style="list-style-type: none">Analyzed instances of models used in-house to serve an important applicationReplaced numerous dependencies of an older models to a newer oneRemoved and cleaned up scripts that had no usage at the end of each month	
	National Institute of Standards and Technology (NIST): Research Fellow	6/2014-8/2014
	<ul style="list-style-type: none">Created a Spatial Decomposition Verification Toolkit for Cement HydrationContributed modifications to improve parallel processing computationsIncreased Cement Hydration Computation Verification timings by 140%	
	Verizon Wireline: Summer Intern	6/2013-8/2013
	<ul style="list-style-type: none">Conducted 6 training sessions to instruct 70 employees on utilizing social mediaDesigned a GUI framework for a Java app that optimizes maintenance dataCollaborated with a team of 10 interns to conduct a “Going Green” presentation	
	Microsoft: Explorer Intern	5/2012-8/2012
	<ul style="list-style-type: none">Created an ASP.NET web app in C# to explore Xbox Live Services RESTful URIsImproved functionality for game developers to make proper XBL URI HTTP callsProduced a toolkit for game developers to use for the creation/releases of games	
EDUCATION	University of Maryland, College Park	Graduated: May 2016
	<ul style="list-style-type: none">B.S. in Computer Engineering in the A. James Clark School of Engineering	
PROJECTS	Boliviastamps.com: Webmaster & Co-founder	3/2012-3/2013
	<ul style="list-style-type: none">Maintained and pioneered the website to promote a customer’s Stamp collection	
CERTIFICATIONS	Security +, Certified Ethical Hacker	2017
	AWS Technical & Professional Accreditation, AWS Business Professional Accreditation	2016
PUBLICATIONS	Kohani, M., Berman, J., Catacora, D., Kim, B., & Vaughn-Cooke, M. (2014). Evaluating Operator Performance for Patient Telemetry Monitoring Stations Using Virtual Reality. <i>Proceedings of the Human Factors and Ergonomics Society 58th Annual Meeting, Chicago, IL.</i>	