ELENA SPARACIO

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Website: ***https://esparacio.github.io/interactive-resume/***

Education

Elon University, *Elon, NC* February 2017
Elon College Fellow & Presidential Scholar
Major: Computer Science
Minor: English – Creative Writing
GPA: 3.6

Computer and Technical Skills

Programming Languages: Java, C++, Python, Perl, Unix/Linux, C, C#, JavaScript (limited), HTML/CSS, EL, XML, SQL, Swift (limited), LUA

Experience with: Agile/Scrum, web development, responsive web design, servlets/JSPs, jQuery, object-oriented programming, databases, JDBC, user interfaces, web architecture concepts, design patterns, debugging, game development, version control, automated testing

Applications: Eclipse, GitHub, Openshift, Unity, Apache Tomcat, MySQL, mySQLWorkbench, Processing, Patricle.io, Android Studio, XCode, Netbeans, ClearCase, Code Collaborator, Sublime, Mathematica, Microsoft Office, Expression Web, Photoshop, Social Media Platforms

Relevant Work Experience

Software Engineer May 2016 – Aug 2016
ARRIS, Suwanee, GA Feb 2017 – Current
- Coded Perl and Unix scripts to automate, optimize, and streamline the command line interface testing of over 4000 commands for the E6000 router
- Programmed product features in C++ using large libraries and a complex codebase
- Collaborated closely with other team members to develop solutions to product defects

Robotics and Programming Instructor May 2015– Aug 2015
Imagine That and Future Tech, Alpharetta, GA
- Instructed a group of 10-20 children in robotics utilizing EV3 and NXT, and in programming utilizing LUA
- First instructor to complete 3 of the most complicated LEGO Mindstorms builds with students

Finance Intern June 2012
*CohnReznick***,** Roseland, NJ
- Classified and compiled financial data on a physical and electronic system
- Analyzed financial spreadsheets and documented company expenses

Research

Interaction of Volumetric Cubes and Mobile Applications through Gaming
- Research on exploring the potential of using a tangible interface/volumetric display in 3D mobile application development
- This project explores the design and implementation of software to support games that combine an Android mobile device and an LED cube
- Presented at Consortium for Computing Sciences in Colleges South East Conference 2017

Campus and Community Involvement

English Honor Society, Elon University *Sigma Tau Delta, Xi Omicron Chapter*
Creative Therapy LLC, Canton, GA *Volunteer*