ELENA SPARACIO

(908)-256-6414
esparacio@elon.edu

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

Education

Elon University, *Elon, NC* January 2017
Honors and Scholarship: Elon College Fellowship, Presidential Scholarship, Member of Sigma Tau Delta
Major: Computer Science
Minor: English – Creative Writing
GPA: 3.6

Computer and Technical Skills

Programming Languages: Java, C++, Perl, Unix/Linux, Python, 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, Confluence, ClearCase, GitHub, Code Collaborator, Bitbucket, Unity, Apache Tomcat, Openshift, MySQL/mySQLWorkbench, Processing, Particle.io, Android Studio, XCode, Netbeans, Microsoft Office, Photoshop, Social Media Platforms

Relevant Work Experience

Software Engineer May 2016 – Aug 2016 & Feb 2017 – Current
ARRIS, Suwanee, GA

- Programmed product features for customers such as Comcast, Charter, and Stofa in C++ using large libraries and a complex codebase for major E6000 releases
- Became the team expert for the CLI-TEST: coding Perl and Unix scripts to automate, optimize, and streamline the command line interface testing of over 4000 commands for the E6000 CMTS
- Performed quality analysis of CLI Tests using the E6000 chassis and E6000 simulator to diagnose and uncover critical issues
- Lead the team's software development phase of code collaboration (CLABs) for the SDN-based E6000 software release, where team-wide collaboration is required for early detection of defects
- Performed several side projects: created a formal code review tool using Code Collaborator, maintained "gtest" – a unique way of compiling our code to improve compile time exponentially, and created our team's Confluence reference pages
- Selected as a Site Lead for the intern program last summer, represented ARRIS at several events, and trained two other engineers on the team

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

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