

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, Python, Perl, Unix/Linux, C, C++, C#, JavaScript, HTML/CSS, EL, XML, SQL, Swift, LUA

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

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

Relevant Work Experience

Software Engineer

May – Aug 2016

ARRIS, Suwanee, GA

- Coded Perl and Unix scripts to optimize and streamline the command line interface testing of over 4000 commands for the E6000 router

Robotics and Programming Instructor

May – 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
- Presenting at Consortium for Computing Sciences in Colleges South East Conference in November

Campus and Community Involvement

English Honor Society, *Elon University*

Sigma Tau Delta, Xi Omicron Chapter

Creative Therapy LLC, *Canton, GA*

Volunteer

- Assisted hippo-therapists in rehabilitating children with disabilities through equine therapy