

# ELENA SPARACIO

(908)-256-6414  
[esparacio@elon.edu](mailto:esparacio@elon.edu)

**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