

# ANGELICA ST. ROSE

[angelicastrose@gmail.com](mailto:angelicastrose@gmail.com) • (772) 812-2256

---

## EDUCATION |

### Georgia Institute of Technology

Masters of Science in Computer Science (Online Program)  
Graduating Spring 2020

### University of Miami

Bachelors of Science in Computer Science  
Graduated Spring 2018  
Comp Sci GPA: 3.7

## SKILLS |

**Languages:** Proficient — Java, Python

Intermediate — C, Javascript, SQL

Familiar — HTML5/CSS/SCSS, TypeScript, C#

**Frameworks:** Spring Boot, AngularJS, Bootstrap, JUnit

**Other:** Git, Agile Methodology, Docker, IntelliJ IDEA  
Gradle, Android Studio

## RELEVANT COURSES |

Machine Learning, Software Development Process, Software Engineering, Java Programming 1 & 2, C Programming and Unix, Computer Organization & Architecture, Data Structures & Algorithms, Linear Algebra, Statistics, Calculus 1 & 2, Discrete Math, Creative Coding, Databases

## WORK EXPERIENCE |

### SEO Analyst @ beycome (August 2018 - Present | Winter Internship)

- Developed link building strategies that brought website ranking from position #42 to position #4 in a month for our main keyword.
- Identified the strongest keywords to drive the most valuable traffic to website.
- Collaborated with the development team to improve website architecture, content and linking to improve SEO positions for target keywords.
- Wrote effective SEO content for blogs, websites and social media accounts.

### IT Technician @ UMiami Law (Summer 2016 - May 2018)

- Work Study Position.
- Troubleshoot and solved IT issues from law faculty and students through phone or email.
- Documented details of support requests and regularly updated a log of both closed and ongoing requests.
- Maintained technical knowledge through collaboration and staying up-to-date on new system implementations.

## PROJECTS |

### Registration of Workshop Maps

- Designed and implemented a public participatory GIS (P/PGIS) to map towns in underdeveloped countries.
- Developed a script in Python to take an image file as input (i.e aerial orthophotos), georeference it with spatial data, and then split it into a set of tiles to be utilized for a zoomable, interactive map.
- Worked with 7 other teams using Agile methodology on a large-scale development project.

**Skills Used** — Python, GDAL, Javascript, Google App Engine

### Backpropagation through a Neural Network

- Developed a script in Python to backpropagate through a neural network to test the classification accuracy on three large data sets.
- Optimized a training algorithm to achieve the highest level of classification accuracy without running into issues such as overfitting the data.
- Developed a presentation on acquired results, analyzing the advantages and disadvantages of utilizing neural networks.

**Skills Used** — Python, TensorFlow, Keras, Machine Learning concepts.

### Intergalactic Space Shooter

- Developed a futuristic platformer game in Unity that tested the player's ability to react quickly to stimulus.
- Pitched the idea to a team of judges, developing a written report on the premise of game as well as the challenges that arose during the production process.

**Skills Used** — Unity, C#, Adobe Photoshop

### Project Leader for the Design of a Single-Orbit Rocket

- Project leader for the Embry Riddle NASA Simulation Project that lead a team of engineers in the conceptualization and design of a single-orbit rocket.
- Developed the umbilical boom for the rocket, making sure it was able to withstand the forces of a rocket launch while using the most cost-efficient material.
- Wrote a 20-page report that encompassed all relevant information for each part of the rocket, as well as an engaging sales pitch to sell the rocket to potential buyers.

**Skills Used** — Leadership, Management, Excellent Writing Skills, Engineering Concepts