

# James Spies

College senior exploring options to use my software development and problem solving skills to work in varied positions. Possess 6 years of software development shared between numerous coding languages.

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## EXPERIENCE

### Telaforce, Niceville, FL — PC Refresh Technician I

June 2019 - August 2019

Individually visited multiple schools in Okaloosa County to set up new computer labs, laptops, etc.

Transferred data from old to new machines.

Organized the School District's technology from a single warehouse.

## PROJECTS

### NASA LEC Robotic Mining Competition — 2020-2021

I am part of a 3-man software subteam working on creating a full control system for the NASA LEC team's robot.

So far, in this team I have:

- Constructed a basic .SDF and .URDF model as a simulation for controlling the robot in Gazebo and ROS
- Helped write the controller code for moving the simulation model forward, backward, left, and right with an Xbox controller
- Renovated controller code so it interfaces properly with the physical robot
- Helped write the documentation and monthly reports
- Given status updates to our team lead and managed weekly goals

We are currently working to send the proper power signals to the robot's motors so that power is given to wheels for forward and backward movement.

### MailPile Github Project — 2019

This was my first large-scale coding project. I worked with a team of four to add features to this community project on Github.

Our end results for this project were:

- We successfully added a 'Factory Reset' button
- Added documentation to GitHub main project page

## TECHNICAL SKILLS

C, C#, C++, Python, Assembly,  
R, Go, Kotlin, Java, Javascript,  
HTML, CSS, Github, Profiling,  
Whitebox/Blackbox testing,  
Windows, Ubuntu

## EDUCATION

B.S. Computer Science from  
Florida Institute of  
Technology, Melbourne, FL  
2017-2021  
Current GPA: 3.19

Crestview High School  
graduate with cum laude  
Crestview, FL  
2014-2017  
Final GPA: 3.69