James Spies

College senior exploring options to use my software development skills for entry-level positions. Possess 6 years of software development shared between numerous coding languages. Willing to move anywhere in the U.S.

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EXPERIENCE

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

June 2019 - August 2019

Visit schools in Okaloosa County School District and manage and set up their computer labs, as well as teacher and student laptops and chromebooks.

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
- Helped write the documentation and monthly reports
- Given status updates to our team lead and managed weekly goals

In the future, we would have to implement arms on the simulation model that can move a conveyor belt up and down. A stretch goal for the end of the spring semester is to have part, or all of the movement processes of the physical robot automated.

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
- We attempted to fix a bug where the total number of emails was incorrect, but were unsuccessful

TECHNICAL SKILLS

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

EDUCATION

B.S. Computer Science from Florida Institute of Technology, Melbourne, Fl 2017-2021

Current GPA: 3.21