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.

2704 Reed Ave
Melbourne, FL, 32901
(850) 582-3113
jamess0522@gmail.com
https://jayess3.github.io

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
- 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
- Added documentation to GitHub main project page

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