**Drew Pulliam**

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**OBJECTIVE**

Software Development Internship/Co-op

**INTERNSHIPS**

NASA Johnson Space Center - Robotics Academy Internship (Summer 2019)

* Designed control software for miniature moon rover using C/C++

**TECHNICAL SKILLS**

* **Java, C/C++, Python**
* Microsoft Office Suite, Visual Studio, Eclipse, SPIM Assembly Code

**EDUCATION**

B.S. Computer Science | University of Texas at Dallas (UTD) | Dec 2021

* GPA: **3.981**

A.S. Sciences | Lone Star College | May 2019

**PERSONAL PROJECTS**

**FIRST Robotics Competition (FRC) Robot Software (Java)**

* Implemented and maintained controls software for FRC robots using Java.
* Created path following program using spline curve fitting to drive the robot autonomously.
* Integrated multiple sensors to allow for feedback loops in all robot subsystems.

**Data scraping tool for FRC (Python)**

* Programmed a Python script to pull JSON data from a web API
* Compiled and outputted the data into an easily viewable .csv file

**NASA MicroChariot (C/C++)**

* Utilized microcontrollers to control a miniature moon rover using C/C++.
* Designed a user interface that allows the driver to have control over speed and direction.

**Robot Simulation Game (Python)**

* Demonstrated kinematics of a holonomic robot drivetrain using Python

**SPIM assembly programs (SPIM)**

* Utilized registers and the stack to create programs using loops and branches in SPIM

**AWARDS/HONORS**

National Merit Scholarship

* Scored in the top 1% of high school students in nation on PSAT and SAT

Earned Eagle Scout Rank

* Planned, led, and completed a community service project and other requirements

UTD Dean’s List

* Top 10% of all undergraduate students