Parker Skinner

Mansfield, TX 76063

(682) 216-9903   ParkerSkinner27s@gmail.com   https://github.com/Existawk

Professional Experience

Lockheed Martin Missiles and Fire Control, Grand Prairie, TX

Software Engineer, Feb 2022 – Present
- Developed software in C++, Fortran, and Ada to simulate different missile components in conjunction with physical hardware to streamline the testing and development of new missile code
- Validated software changes by performing data analysis on simulated engineering runs
- Port legacy Fortran code changes that are made in one system over to their complementary Ada counterpart in a different system to meet updated customer requirements
- Performed static analysis, unit tests, and missile simulations to test and validate changes to reduce bugs
- Evaluated legacy codebase to comply with new safety requirements from the customer
- Attended Artificial Intelligence summit to further develop and expand my knowledge about AI
- Completed additional C++ training

Software Engineer Intern, Mar 2019 – Aug 2021
- Received Secret level security clearance in May 2019 to work on classified programs and access closed areas
- Developed code in a team environment using Agile practices
- Created a data migration script in python to facilitate the movement of campus wide project performance data from excel workbooks to a SQL database to be used in an internal web application
- Researched networking tools, such as Scapy, and other practices to be used in the fuzzing of various secure hardware to search for vulnerabilities
- Developed C++ GUI for displaying tracked missile targets in closed area and provided support for the tool during internal demos
- Set up linux workstation to be used for team projects while following closed area data migration procedures

Education

University Of Texas At Arlington, Arlington, TX

Bachelors of Science Computer Science, Aug 2018 – Dec 2021
- **Focus Areas:** Game Design, Computational Methods, Computer Graphics, Compilers, Machine Learning
- **Projects:**
  - Delta Cyber Ninja
    - Created a side scrolling 2D platformer that implemented wall climbing, wall sliding, and line of sight features
    - **Tools:** Godot
  - LightHouse
    - Created a product in which users can control LED lights that are connected to a Raspberry Pi through a web server
    - **Tools:** Flask, NodeJS, React

Technical Skills

Languages: C++, Python, C, SQL
Tools: Git, NumPy, Pandas, CI/CD
Miscellaneous: Linux, Windows, Game Development, Embedded Development, Agile