Haidyn Arnett

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Experience

Aircraft Protection Systems Software Intern | GTRI | May 2022 – August 2022

- Worked as part of a small team on Windows software designed to send Pulse Descriptor Words (PDWs) to Signal Generators that emit Radio Frequency (RF) signals to test Radar Warning Receivers
- Refactored code for Devices and Drivers to adhere to interfaces and wrote a Device Manager to centralize and simplify control of devices.
- Assisted in the development of a feature to pre-generate PDWs before any are sent to Signal Generators
- Created, documented, and presented GUI features to duplicate, rotate, flip, and visualize Antenna Patterns

Full-Stack Development Intern | My Influency | January 2022 – May 2022

- Developed features allowing users to crop their profile picture, view their notifications, create claims, edit their profile settings, and more
- Interfaced with web APIs to allow the server to send automated emails to users and to allow users to link their accounts with Facebook, Instagram, and Stripe
- Architected and refactored the backend to support all this functionality and to support the creation of users after the database was restructured

Projects

Minesweeper

- Utilized React to implement a web frontend version of Minesweeper
- Tinkered with algorithm to semi-randomly place mines to maximize the playability
- Integrated the game into my personal website

Schoolhouse Web Application:

- Built an online learning Django web application for students and teachers where users can create accounts, teachers can make assignments and announcements, students can join classrooms, submit files and text, and teachers can view and grade students' work
- Created front-end layout using HTML and CSS, and used JavaScript to interface with the backend
- Planned and implemented backend using Python to execute functionality and store necessary data in a SQL database

Education

B.S. Computer Science | Georgia Institute of Technology | GPA: 4.0

- Anticipated Graduation Date: Spring 2024

Highschool Diploma | May 2021 | Savannah Arts Academy

Tools/Technologies

Java | C# | Python | React | HTML | CSS | JavaScript | Django | SQL | JavaFX