

Ashton Frias

239-410-5052 | ashtonfrias11@gmail.com | [linkedin.com/in/ashtonfrias](https://www.linkedin.com/in/ashtonfrias) | github.com/AshtonFrias

Software Engineer dedicated to improving skills through hands-on learning and development work. Adept at using multiple programming languages to produce clean code. Well-organized and collaborative team player with strong communication and analytical abilities.

EDUCATION

University of Central Florida

Master of Science in Computer Science

Orlando, FL

Jan. 2023 – Present

Florida State University

Bachelor of Science in Computer Science, Minor in Mathematics

Tallahassee, FL

Aug. 2019 – Apr 2022

EXPERIENCE

Software Engineer

May 2023 – Present

Avidyne · Internship

Melbourne, FL

- Collaborated with systems engineers, support engineers, and end customers to define, develop, and integrate Avidyne's next-generation products.
- Assisted the dynamic software development team in implementing a wide range of software features, ranging from low-level operating system layers to high-resolution, touchscreen-based HMI layers.
- Conducted software verification activities to ensure quality and reliability.
- Contributed to evaluating FAA-mandated requirements for aviation products.
- Worked on expanding Avidyne's simulation and test capabilities.
- Developed and improved tools for tracking and automating software development activities.

Full-Stack Developer

Jan 2022 – Apr 2022

Paul Consulting Group · Internship

Tallahassee, FL

- Collaborated within an Agile/Scrum development environment, ensuring efficient project execution and timely delivery.
- Gained hands-on experience by shadowing senior developers and actively engaging in pair programming sessions, fostering knowledge sharing and accelerating skill development.
- Leveraged ASP.Net MVC, Angular, and SQL to create a robust full-stack web application, showcasing proficiency in both front-end and back-end development
- Successfully designed and implemented Angular components, integrating them seamlessly with back-end functionality developed in C#, showcasing expertise in front-end development and server-side integration.

PROJECTS

Machine Learning for Glioma Grading | [Link to Paper](#)

Jan 2023 – Apr 2023

- Developed a novel three-stage methodology for glioma grading using hierarchical voting-based feature selection, automated tuning, and family-based model selection, combined with ensemble learning.
- Implemented hyperparameter tuning to optimize performance and expand the range of potential model sets.

Elevator Scheduling | C, [GitHub](#)

Jan 2022 – Apr 2022

- Developed a C program, which used kernel system calls and a thread that handled an elevator.
- The elevator picked up passengers from 10 different floors that were loaded into it using FIFO and implemented a SCAN algorithm to drop off passengers to their designated floor.

Coinbase Replica | Java, Google Firebase

March 2021 – Aug 2021

- Developed an Android application to track top-performing cryptocurrencies, current news, and a user portfolio
- Stored user information as well as implemented user authentication
- Collected up-to-date information using Financial Prep's API

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Visual Basic, C#, SQL, NoSql

Frameworks: Flask, ASP.Net Core, ASP.Net MVC, .NET Framework

Developer Tools: Git, Perforce, IBM Doors, VS Code, Visual Studio

Libraries: pandas, NumPy, Matplotlib