

# Matthew Hathcock

955 Aqua Vista Dr. Killen, AL 35645 ♦ matthew.hathcock153@gmail.com ♦ (256) 436-1991

---

## Education

**Mississippi State University**, Starkville, MS – Expected Graduation May 2024

- Bachelor of Science Electrical Engineering
- GPA 3.74

## Work Experience

**Gulfstream Aerospace, Savannah, GA**

**Flight Test Engineering Co-op:**

**May 2022 – August 2022**

- Performed real and post flight data analysis to determine functionality of components/systems, quality, and safety of testing performed on the aircraft
- Updated company flight test plan documentation for use in the certification process of future aircraft
- Created MATLAB tool to discover discrepancies within an aircraft's Flight Health Database (FHDB)

**MRB Electrical Engineering Co-op:**

**May 2022 – August 2022**

- Updated aircraft test procedures for use during aircraft production acceptance
- Assisted in the creation of troubleshooting and repair procedures to identify and fix the root cause of issues reported during production of an aircraft
- Performed aircraft acceptance procedures to aid in acquiring certificate of airworthiness
- Designed and built a hardware test interface to assist with the functionality checkout of the horizontal stabilizer actuating system

**Electrical Systems Engineering Co-op:**

**August 2021 – December 2021/ May 2023 – August 2023**

- Performed integrated system tests of aircraft avionics equipment to ensure proper operation and verified components were safe for flight
- Analyzed aircraft component data to ensure hardware met environmental and operational requirements as outlined by aircraft certification authorities
- Authored and revised engineering documentation required for certification and construction of newly designed aircraft

**Private Contractor, Killen, AL**

**September 2019 – July 2021**

**Programmer/Integrator**

- Designed, built, and integrated single board computer based kiosks to display real time production requirements from the ERP on the production floor
- Designed, built, and integrated single board computer based kiosks to display the loading progress and accuracy of each outgoing shipment for each loading dock

## Extracurricular Activities

**Secon Robotics Team**

**Team Member:**

**August 2019 – May 2020**

- Assisted in development of the competition robot design
- Participated in software architecture development
- Aided in design and construction of the robot structure
- Sub-lead in construction and testing of the competition field mockup

## Skills

- Microsoft Office Suite Certified
- Autodesk Inventor Certified
- Autodesk Revit Certified
- Proficient in C++
- Proficient in Python
- Experience with MATLAB
- Experience with Microsoft SQL and MySql Databases
- Organization and Resource Management

## Honors

- Eagle Scout Boy Scouts of America 2019
- President's/Deans List Mississippi State
- Eta Kappa Nu