

# Garrett Pittman

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## EDUCATION

### **Bachelor of Science in Electrical Engineering**

**May 2020**

University of Florida, Gainesville, FL

GPA: 3.43/4.00

#### **Coursework**

Microprocessor Applications, Digital Logic and Computer Systems, Electronic Circuits, Physics of Electrical Engineering, Signals and Systems, Circuits 2, Circuits 1

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## WORK EXPERIENCE

### ***Technical Intern, Collins Aerospace***

**January 2018 – May 2018**

*Melbourne, Florida*

- Assembled GLU-2100 GNSS aircraft radio card level test station to ensure hardware met performance test requirements.
- Designed unit under test cable for GNSS card to be used in integration with test environment.
- Produced detailed wiring schematics of GLU-2100 test station to allow for reproduction of the test system when volume of radio production increased.

### ***Luthier/ Design lead, Mid-East Manufacturing***

**May 2012 – August 2016**

*Melbourne, Florida*

- Developed a process for repairing ouds which recovered over 10,000 dollars of product.
  - Fabricated design, built, and implemented electronic amplification pickups in steel drums.
  - Coordinated with sister companies in China and Pakistan to implement new designs and products.
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## TECHNICAL PROJECTS

### ***Vacuum Tube Amplifier Repair***

**August 2018 – Present**

Gainesville, Florida

- Troubleshoot guitar amplifier circuits to find noisy, out of tolerance, and nonfunctional components, such as leaky electrolytic capacitors, and carbon composition resistors developing microscopic cracks that had to be replaced.
  - Performed proper safety measures to work on devices that carried lethal voltages.
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## INVOLVEMENT

### ***Hardware Team Member, Audio Engineering Society***

**Fall 2017 – Present**

Gainesville, Florida

- Implemented a program to develop and sell unique guitar pedal audio circuits in the surrounding community to raise funds for the club.
  - Led small meetings to organize team members into project roles and acquire appropriate parts for project designs.
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## SKILLS

### **Software**

- Linear Technologies SPICE, Atmel Studio, Intel Quartus Prime, AutoCad.

### **Coding**

- Matlab, Assembly, C, C++.

