

Jonah Gibbons

Patuxent River, Maryland

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Summary

Electrical engineer with over 10 years of technical experience in different capacities of the industry. Proven leadership abilities with 8 years of managing installation and service teams. Familiar with fulfilling government contracts at the federal, state, and local level.

Education

Florida State University, Tallahassee, FL

August 2023

Bachelor of Science in Electrical Engineering

Minor in Physics

GPA: 3.4

Tallahassee Community College, Tallahassee, FL

August 2019

Associate of Arts in General Studies

GPA: 3.1

Professional Experience

*Naval Air Systems Command, Patuxent River, MD, **Flight Test Engineer***

September 2023 – Present

- Supporting VX-23 squadron's mission to conduct testing and evaluation of fixed wing tactical aircraft.
- Develop test plans, execute flight tests, analyze the data and report on the results.
- Specializing in electronics and working on the Airborne Electronic Attack team.

*FSU Nuclear Research Lab, Tallahassee, FL, **Technical Research Designer***

June 2021 – August 2023

- Electronics expert for the Fox Superconducting Linear Accelerator Laboratory.
- Rebuilding, replacing, maintaining electrical systems that operate the particle accelerators.
- Designing and building new systems to advance lab capabilities.

*Johnson Controls Inc., Tallahassee, FL, **Commercial Security Project Lead***

April 2019 – May 2021

- Primary consultant for City of Tallahassee and other large-scale government and commercial projects.
- Designed, planned, and executed projects to protect facilities and key personnel using advanced video detection, alarms, and barriers.
- Company representative sent to meet with and present technical data, training, and demonstration to customers.

*Split Pine Technologies, Tallahassee, FL, **Senior Integration Technician***

June 2013 – April 2019

- Trained in the installation and operation of enterprise-, military-grade security systems.
- Primary company representative on installation projects for government and military entities.
- Worked closely with engineers to design and propose advanced, physical, security solutions.

Aviation

Private Pilot Certificate – *FL Aviation Center in Tallahassee*

November 2022

Instrument Rating – *FL Aviation Center in Tallahassee*

Expected 2024

Technical Skills

- Competent with high energy power systems and low energy signals
- Design and fabrication of PCB's, electrical circuits, and assemblies
- Extensive (10 yrs) low voltage system wiring and troubleshooting

- Programming: MATLAB, Python, C/C++, HTML, CSS, PHP
- Software: MultiSim circuit testing, Intel Quartus Prime, Xilinx Vivado, Texas Instruments Code Composer Studio, Microchip MPLAB X microcontroller IDE, Altium PCB Designer, Autodesk Inventor CAD, SolidWorks CAD, Linux and Windows server OS
- Mathematics: Advanced Calculus, Advanced Algebra, Differential Equations, Statistics, Trigonometry
- Troubleshooting and repairing digital and analog systems

Projects and Research

Security contracts for design, installation, and maintenance—

- o U.S. Navy: Naval Facilities Command
- o Tyndall and Eglin Air Force Bases
- o City of Tallahassee: City Hall, Police Dept., Fire Dept., Electric Utilities, Power Plants, Public Works, Public Transit
- o Florida DCS
- o Florida Public Schools
- o Florida State Office of Legislative Services
- o FEMA
- o DEA

Florida State University—

- o CLARION2-Trinity detector array – John D. Fox Accelerator Lab, Oak Ridge National Lab
- o Tritium Radioactive Beam Source – John D. Fox Accelerator Lab
- o Optical Laser Communications – FAMU-FSU College of Engineering
- o Senior Design Capstone Project: F-35 Flight Controls for training simulators – Lockheed Martin, FAMU-FSU College of Engineering. Team won the Best Overall Award at the college for this Capstone Project

Certifications

- Certified Installer— 5 different enterprise level security platforms for access control and video surveillance
- Osha 10-hour site safety training certification
- BASA/FASA certified burglar alarm and fire alarm system agent
- Technical SCUBA Instructor – Teaching rescue and first aid, shipwreck, mixed gas, decompression procedures, underwater research and divemaster courses since 2016

Leadership

- **President** - Flint River Grotto, chapter of the National Speleological Society, a cave conservation and recreation organization
- **Mentor/Big** - Big Brothers Big Sisters, mentoring and youth outreach program
- **Technical SCUBA Instructor/Owner** – School of SCUBA, teaching classes and leading dives from basic level up to advanced, technical dives