

Shon Barthell

Tallahassee, FL

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EDUCATION

Florida A&M University – Tallahassee, FL

Bachelor of Science in Electronic Engineering Technology

Expected Graduation: Spring 2027

Cumulative GPA: 3.26

Honors/Awards: National Honor Society Award, AutoCAD Inventor Software Certified

Scholarships: The NextEra Energy Scholarship Award for Black Students in SECME, Bright Futures Scholarship

Relevant Coursework: Fundamentals of Programming, Professional Seminar & Development, Principles of Engineering Economy, Introduction to Robotics.

SKILLS & INTERESTS

Languages: English (Fluent), Spanish (Intermediate)

Programming Languages: C++, JavaScript, MATLAB, Rhino, Grasshopper

CAREER

Department of Juvenile Justice – 2737 Centerview Drive, Tallahassee, FL

Electronic Monitoring Command Center | July 2025 - Present

- Monitor juveniles who were placed on ankle monitors.
- Document findings and notify the proper authorities, whether it be Probation Officers, Law Enforcement Officers, or family.

INTERNSHIPS

RTX/NAF Future Ready Engineers Program – Online / Tallahassee, FL

Facilitator | June 2024 – July 2024

- Advised high school interns on professional conduct in engineering environments.
- Guided 20 interns to 100% project completion by teaching the engineering design process.

CSSI (Computer Science Summer Institute) – Online / Miami, FL

Mentored | June 2022 – August 2022

- Mentored by a Google engineer in C++ and JavaScript.
- Collaborated on team projects to design and code websites for games and restaurants.

JSTI (Joint Science Technological Institute) – Online / Miami, FL

Mentored | July 2021

- Trained by Department of Defense employees in robotics and coding.
- Configured a robot motherboard and programmed robot and drone movements using two coding platforms.

Sports Konnect – Miami, FL

Mentor | November 2019 – August 2021

- Introduced and demonstrated engineering, robotics, and science to a class of 25 middle school students.
- Coached five students to a 1st place victory in a VEX Robotics Competition.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

FAMU Engineering LLC – Tallahassee, FL

Member | August 2022 – 2024

Darius Bostick

Tallahassee, FL | Tampa, FL
darius1.bostick@famu.edu | (813) 294-8828

Education

Florida Agricultural & Mechanical University, Tallahassee, FL

Expected: May 2027

Bachelor of Science in Electronic Engineering Tech

Engineering Projects

EPICS: Anti- Racism

August 2022- May 2023

- Researched financial information and developed simpler ways for people to digest financial information.
- Worked with fellow students learning to code a mobile game to teach finance to various age ranges and races
- Used user groups of various ages to get data and test our app

EPICS: Engineering Educational Outreach

August 2023- May 2024

- Led hands-on engineering activities and classroom presentations across multiple grade levels, integrating core engineering concepts to connect lessons to real-world STEM careers.
- Designed and delivered interactive STEM outreach curricula (fluid dynamics and train systems) to K–12 students, with a focus on increasing STEM interest among underrepresented populations.
- Collected and analyzed pre- and post-outreach survey data to measure engagement and learning outcomes, contributing to curriculum improvements and sustained STEM interest growth

Industry: Mitigating Accidental Stovetop Misuse Leveraging Deep Learning

August 2024- May 2025

- Designed an AI-based kitchen safety concept with Whirlpool to detect hazardous cooking conditions such as unattended stoves, smoke, and overheating.
- Collected and labeled stovetop image data and evaluated computer vision methods (object detection and image classification) to distinguish safe vs. unsafe scenarios.
- Analyzed user needs and industry constraints and proposed embedded system integration (ESP32) for scalable, real-time safety alerts in consumer appliances.
- Traveled to the UAE & SA to incorporate different cultures into the classes of our model

Professional Experience

Internship: Lear Corporation

May 2024- August 2024

System & Control Engineer

- Completed a summer internship at a Lear manufacturing facility under the supervision of a senior engineer, gaining hands-on experience in industrial operations.
- Analyzed factory productivity by conducting on-site research with production staff and manufacturing equipment to identify inefficiencies.
- Led a Kaizen improvement effort focused on monitoring machine downtime, proposing process checks to reduce disruptions and improve overall productivity

Intel–ECE Semiconductor Manufacturing & Technology (SM&T) Program

May 2026-June 2026

- Completed a 5-week Intel-sponsored semiconductor manufacturing bootcamp.
- Trained in semiconductor fabrication, automation, quality management, and IC technologies.
- Gained hands-on exposure to cleanroom and semiconductor manufacturing processes.

Leadership Experiences

Student Assistant for Director of Student Access

June 2023-Present

- Assisted the Director of Student Access in initiatives supporting engineering student retention and matriculation from freshman year through graduation.
- Collaborated with engineering students, faculty, and staff to support programs that develop both technical and professional skills through applied learning.
- Managed administrative and financial tasks, including data entry and coordination, to support program operations and reporting.

Programs/Organizations

Educating Engineering Students Innovatively

August 2022- Present

- A program at FAMU that steps beyond simply educating engineers and develops their professionalism through hands-on experience.
- Students work with a College of Engineering Faculty member or a Company on an engineering project.
- 4 tracks: Industry, Research, EPICS, or Entrepreneurship

JEREMIAH ELAS

EET Student | Electronics & systems

OBJECTIVE

Electronic Engineering Technology student with hands-on experience in digital electronics, circuit analysis, and system troubleshooting through coursework and labs. Seeking an internship to apply technical skills, learn industry practices, and contribute to engineering projects.

EDUCATION

ELECTRONIC ENGINEERING TECHNOLOGY Aug 2024 - Present
Florida Agricultural and Mechanical University Tallahassee, Florida
Expected Summer 2027

EMPLOYMENT HISTORY

Intel-ECE Semiconductor Manufacturing & Technology (SM&T) Program
Florida A&M University May 2026 –
June 2026

- Tallahassee, Florida**
- ◆ Completed an intensive 5-week semiconductor manufacturing and technology training program sponsored by Intel Corporation.
 - ◆ Gain hands-on experience with semiconductor device fabrication, automation, microelectronics, and quality management.
 - ◆ Identified root causes and implemented solutions.
 - ◆ Developed practical electrical technician skills through laboratory activities and exposure to semiconductor manufacturing and cleanroom processes.
 - ◆ Participated in technical workshops and career development focused on semiconductor engineering and manufacturing.

FIELD ENGINEERING/ IT SUPPORT Jan 2024 - May
2024
Sayer's Chicago,
Illinois

- ◆ Diagnosed system and equipment issues.
- ◆ Troubleshoot malfunctions and failures.
- ◆ Identified root causes and implemented solutions.
- ◆ Resolved technical problems for optimal performance.
- ◆ Configured, installed, and maintained network and IT systems.

MECHANIC INTERN May 2023 -
Nov 2023
Rosemond Auto shop Jacksonville,
Florida

- ◆ Diagnosing and Troubleshooting Vehicles.
- ◆ Use of Diagnostic Tools (OBD-II)

TECHNICAL SKILLS

Circuit Analysis & Troubleshooting • Digital Electronics • Breadboarding & Soldering • Multimeter/Oscilloscope • Python • C++ • AutoCAD • OBD-II Diagnostics • Electrical Schematics

RELEVANT COURSEWORK

Electronic Devices & Circuits • Digital Electronics • Computer-Aided Circuit Analysis • Communication Systems • PLCs • Electrical Fundamentals • Engineering Graphics (AutoCAD), Artificial Intelligence Fundamentals

Antonio George

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407-813-3890

3100 Old winter Garden Rd, apt 914, 34761

EDUCATION

Florida A & M University

School of Architecture and Engineering Technology

Bachelor of Science: Electronic Engineering Technology

Tallahassee, FL

Anticipated Graduation: {Spring, 2030}

GPA:0/4.0

Skills: Proficient in: Team communication, leadership skills,
3d printing experience, Understanding of circuitry, athletic,
critical thinking.

Certification:

- OSHA 30.
- Nccer
- Fusion 360
- AutoCad

WORK EXPERIENCE

N/a

VOLUNTEERING

N/a

GROUPS

Institute of Electrical and Electronics Engineers

- Active Member

2026-Present

Nevaeh Harris

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912-755-1332

163 Dendron Dr. Richmond Hill, GA 31324

EDUCATION

Florida A & M University

School of Architecture and Engineering Technology

Bachelor of Science: Electronics Engineering Technology

Tallahassee, FL

Anticipated Graduation: Spring, 2030

CERTIFICATIONS & SKILLS

Skills: Proficient in mathematics, digital and traditional art, Word, Excel, OneNote, PowerPoint, analytical skills, collaboration, and adaptability

Certification: OHSA 30. (in progress)

VOLUNTEERING

St. Charles High School

- Distributed essential care packages and hygiene products to unhoused individuals across the DMV.
- Donated numerous canned foods to the canned food drive.

Waldorf, MD and Washington, DC

October 2022- October 2025

GROUPS

Honors Student Association (HSA at FAMU)

- Active Member
- Attend monthly meetings

2026-Present

Institute of Electrical and Electronic Engineering

- Active Member

2026-Present



Nickolas Harvey

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EDUCATION

Bachelor of Science in Electronic Engineering Technology (BS)

Aug '25 – Aug '27

Florida Agricultural & Mechanical University | Tallahassee, FL

Major GPA: 3.75/4.0

Associate of Arts (AA)

Aug '20 – May '22

Tallahassee State College | Tallahassee, FL

Undergraduate Studies - 40+ Credit Hours Completed

Aug '17 – Dec '18

Stetson University | Deland, FL

Software & Tools: Altium Designer, LTSpice, Python, SQL, Excel, Tableau, DB Visualizer, VS Code, Fusion 360

Hardware & Skills: Arduino (Nano), STM32, 3D Printed Parts, Circuit Prototyping, Oscilloscope, SMD Soldering

WORK EXPERIENCE

Agency for Health Care Administration

Systems Project Consultant | Tallahassee, FL Tallahassee, FL |

Apr '24 - Present

- Built analytical dashboards in Tableau and authored complex SQL scripts across **100+ data tables**; assisted with organizational data requests and AI projects, and conducted billing analyses to detect fraud, waste, and abuse.

Ghost Controls

Electrical Engineering Specialist | Tallahassee, FL

Apr '26 – Aug '26

- Assisted in developing a BLDC motor drive board, contributing across the full lifecycle from PCB layout through validation testing
- Conducted UL 325 and UL 991 compliance testing and authored formal test reports
- Contributed to FMEA (Failure Mode and Effects Analysis) and built/tested breadboard circuits to support design validation
- Fabricated custom motor and PCB connectors, and modified test boards per project specifications
- Set up, configured, and monitored multi-station test rigs to support parallel testing workflows
- Compiled and presented progress reports to company leadership to support project visibility and decision-making

TECHNICAL EXPERIENCE

Research on Evaluating LoRa vs. XBee for High-Reliability CanSat Telemetry

Jan '26 - Mar '26

FAMU School of Architecture & Engineering Technology | Tallahassee, FL

- Developed custom **LoRa-based Can-Satellite (CanSat)** and custom **python** ground-station software (**with coding assistance from Claude AI**) and executed drone-based field tests across 30–120 m altitudes, **achieving RSSI levels of –78 to –99 dBm (rural) and –79 to –96 dBm (urban), packet delivery rates of 96–99% rural and 91–97% urban, ~5.5 kb/s effective data rate, and ~45ms latency**. Validating LoRa's reliability **with a 19–38 dB fade margin** before sensitivity thresholds. Future work includes conducting equivalent testing with the **XBee XR 900** under matched conditions and expanding evaluations to higher altitudes.
- Presented at the IEEE SoutheastCon 2026 Presentation Competition representing Florida A&M (Mar '26)
- Presented at FAMU Industry Day (Apr '26)

Research on the Cost-Benefit Analysis of Miniaturization

Feb '25 - Mar '25

Tallahassee State College | Tallahassee, FL

- Constructed a prototype compact garden-monitoring IoT device utilizing the **Arduino Nano Matter** for a miniaturization cost-benefit study. Due to time constraints, the prototype wasn't used as the validating case study, but the broader research was completed.
- Presented at the Tallahassee State College Research Symposium (Apr '25)

LEADERSHIP & INVOLVEMENT

Institute of Electrical and Electronics Engineers (IEEE) – IEEE Conference Chair

Aug '25 – Present

FAMU School of Architecture & Engineering Technology | Tallahassee, FL

- Directed IEEE conference competition initiatives by promoting opportunities, coordinating early project planning, and leading the IEEE SoutheastCon 2027 Hardware Competition team as Project Lead.

Division I Men's Varsity Crew Stetson University | Deland, FL

Aug '17 – Dec '18

LICENSES & CERTIFICATIONS

Fundamentals of Remote Sensing, NASA ARSET – September 2026

Open Science 101, NASA – September 2026

PCB Basic Design, Altium – August 2026

Technician Class Amateur Radio Operator License, Tallahassee Amateur Radio Society – May 2026

Ki Manning

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Education

Florida Agricultural & Mechanical University, Tallahassee, FL
Bachelor of Science in Electronic Engineering Technology

Expected: May 2027

Technical Skills

- **Circuit Design & Analysis:** Analog & digital circuit analysis, signal testing
- **Software & Programming:** Multisim, MPLAB, Autodesk, foundational programming
- **Fabrication & Prototyping:** 3D printing, laser engraving, large-format printing
- **Laboratory Equipment:** Oscilloscope, breadboarding, circuit measurement and validation tools
- **Microsoft Excel & Word | Computer Literacy**

Technical Training

Intel-ECE Semiconductor Manufacturing & Technology (SM&T) Program

May 2026 - June 2026

- Completed a 5-week Intel-sponsored semiconductor manufacturing bootcamp.
- Trained in semiconductor fabrication, automation, quality management, and IC technologies.
- Gained hands-on exposure to cleanroom and semiconductor manufacturing processes.

Engineering Projects

AI-Driven Spectrum Management for Cognitive Radio Networks

August 2024 - May 2025

- Analyzed adaptive communication systems and evaluated AI-based decision models for dynamic spectrum allocation
- Compared classification approaches (SVM, CNN, LSTM) for signal detection accuracy and interference mitigation
- Assessed system tradeoffs between computational demand, real-time responsiveness, and regulatory constraints

Professional Experience

Dean's Assistant / Fabrication Lab Assistant - Florida A&M University

Current

- Support the Dean's office with administrative tasks while assisting with day-to-day fabrication lab operations.
- Operate and support fabrication equipment including 3D printers, laser engravers, and large-format printers.
- Assist with prototyping, equipment setup, and fabrication projects while maintaining an organized and safe lab environment.

Sephora - Beauty Advisor

October 2023 - Present

- Maintained operational reliability through structured workflow checks and inventory accuracy
- Reported incidents and supported compliance with safety and operational procedures in a high-volume environment

Walgreens - Shift Leader / Manager

June 2022 - October 2023

- Managed store opening and closing procedures, ensuring safety, security, and procedural compliance
- Trained and guided team members on safe work practices to reduce injury risk

Community Involvement

Habitat for Humanity

August 2023 - May 2024

- Supported residential build projects with hands-on construction tasks while following job-site procedures.

VEX Robotics

February 2026

- Assisted students with robot building, troubleshooting, testing, and hands-on STEM activities.

Petrus Maxi

📍 Boynton Beach, FL 📞 561-664-9529 ✉️ petrus1.maxi@famu.edu

RESEARCH INTERNSHIP- CXL MEMORY

OBJECTIVE

- My objective is to obtain a research internship at Microsoft

EDUCATION

Aug '23 - May '27

Florida Agricultural & Mechanical University

Tallahassee Florida

- Bachelor's in electrical engineering technology expected in May 2027

Aug '19 - May '23

Atlantic Community High school

Delray Beach, Florida

- Graduated at the top 15% of my class

EXPERIENCE

Apr '25 - Aug '25

Walmart

Delray Beach, FL

- Coordinated as a member of the remodel team helping build shelves putting pieces together
- Served as a translator also for the other workers who were mostly Haitians and also served as a leader to the team

Line Server

Jan '22 - May '23

Anzo Mediterranean Restaurant

Boynton Beach, FL

- Served as a **line server** at Anzo Mediterranean Restaurant for a year and a half
- Facilitated the line as a line server walking down the line with the customer going from section to section helping them build their bowl
- Coordinated closing by sweeping, moping, and cleaning the front of the restaurant
- Mentored new employees showed them the ropes of what the responsibilities of the job was

Sep '21 - Jul '22

Paradise services

Boynton Beach, FL

- Partnered with Paradise Services as the sole **translator** for the Haitian people coming in
- Contributed as a **volunteer** for about a year

Aug '19 - Sep '21

Brunel Noel Tax Preparer

Boynton Beach, FL

- Rearranged tax documents in alphabetical order and made it easy to access the documents
- advocated as an **interpreter** for the local Haitians
- Empowered the Haitian community in the area, helping them understand the documents they were reading and signing
- Served as a **volunteer** for two years

SKILLS & ABILITIES

- I am fluent in 3 languages: English, French, and Haitian Creole. That includes reading, writing, and speaking in all 3 languages
- Certified in Words, Excel, and Slides
- C++ Programming
- Engineering Graphic Design-pending

EMPRESS METCALF

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EDUCATION

FLORIDA A&M UNIVERSITY

Tallahassee, FL

Bachelor of Science in Electronic Engineering Technology

Expected May 2028

- **Relevant Coursework:** Circuit Analysis, Digital Systems, Semiconductor Manufacturing Fundamentals, Engineering Graphics, Microcontrollers, Electrical Troubleshooting.

TECHNICAL SKILLS

CAD & Fabrication:	AutoCAD, Autodesk, 3D Printers / Additive Manufacturing, Large-Format Printers (Fab Lab)
Hardware & Testing:	NI ELVIS II Board, Breadboarding, Multimeter Operations, Potentiometers, Circuit Troubleshooting
Engineering Concepts:	Ohm's Law Calculations, Semiconductor Manufacturing, Signal Flow Analysis, Electrical Components
Software & Tools:	G-Metrix, Microsoft Office Suite, Branch Automation Systems, POS Systems

ENGINEERING & TECHNICAL EXPERIENCE

INTEL CORPORATION / FAMU ECE

Tallahassee, FL

Semiconductor Manufacturing & Technology Bootcamper

May 2026 – August 2026

- Selected for competitive, paid Intel-sponsored semiconductor program; nominated for performance-based bonus stipend due to excellence in technical deliverables and growth.
- Constructed, tested, and prototyped hardware circuit setups using NI ELVIS II platforms, breadboards, potentiometers, switches, and LEDs to simulate semiconductor manufacturing line operations.
- Executed precise diagnostic troubleshooting to identify faults in simulated 3A/3B lines, applying root-cause analysis to repair broken lines and restore proper circuit functionality.
- Applied core electrical principles (Ohm's Law: $I = V/R$) to calculate current regulation, size 220 Ω resistors, and prevent component thermal overload.
- Authored detailed engineering lab reports documenting schematic circuit diagrams, procedural workflows, hardware calculations, and operational conclusions.

FAMU SCHOOL OF ARCHITECTURE & ENGINEERING TECHNOLOGY

Tallahassee, FL

Lab Technician & Office Assistant

September 2025 – Present

- Assist students and faculty with fabrication tools, CAD modeling, and digital engineering equipment within the Fab Lab environment.
- Operate and maintain high-precision 3D printers and large-format plotters/printers, ensuring optimal print quality and equipment calibration.
- Train users on self-service equipment, safety guidelines, and digital workflow tools in a high-volume academic lab setting.

ADDITIONAL EXPERIENCE

SHARK WAKE PARK

West Palm Beach, FL

Office Administrator

May 2025 – August 2025

- Managed daily financial transactions and POS operations while cross-promoting services and maintaining operational logs.

LEADERSHIP & CAMPUS INVOLVEMENT

- **President**, National Society of Black Engineers (NSBE), FAMU-FSU Chapter
- **Vice President**, Institute of Electrical and Electronics Engineers (IEEE), FAMU Student Chapter
- **Community Service Co-Chair**, Live Love Strike

Saharah Minott

Florida A&M University (FAMU) | Tallahassee, FL
Robotics Engineering | Class of 2030
Phone number:912-255-1738
Email:Saharah1.minott@famuedu

EDUCATION

Florida A&M University (FAMU) — Tallahassee, FL

Bachelor of Electrical Engineering Technology | Anticipated Graduation: 2030

CERTIFICATIONS & TECHNICAL SKILLS

CompTIA Certification — Computer Programming

Computer programming • Problem-solving • Technical skills • Engineering interest

LEADERSHIP & ACTIVITIES

Sound of Silver Band — Drum Major & Vice President

- Led and supported fellow band members while helping create a welcoming environment for new students.
 - Encouraged teamwork, communication, and school spirit through leadership and performance.
- **Basketball Team — Captain**
 - Demonstrated leadership, teamwork, accountability, and commitment as a team captain.
- **Track & Field — Shot Put & Discus**
- Competed in shot put and discus and developed discipline, consistency, and perseverance through athletics.

• AWARDS & ACHIEVEMENTS

- Placed 8th in the state in shot put.
- Ranked number 1 among the top throwers in the region in shot put and discus.
- Placed 3rd in the region in shot put during sophomore year.

CAREER INTERESTS

- Robotics Engineering • Computer Programming • Engineering & Technology • Innovation • Problem-Solving

Willie J. Queen III

Electronic Engineering Technologist

PROFESSIONAL SUMMARY

Aspiring Electrical Engineer with experience in PCB design, embedded systems, AI-integrated technologies, and engineering documentation. Proven ability to develop PCB layouts, assemble prototypes, and collaborate on multidisciplinary engineering teams. Student-athlete at Florida A&M University with demonstrated leadership, resilience, and project execution skills.

EDUCATION

B.S Electronic Engineering Technology Florida Agricultural & Mechanical University	August 2026-December 2027 Tallahassee, FL
B.S IDS emphasis Electronic Engineering Technology Florida Agricultural & Mechanical University	August 2022-July 2026 Tallahassee, FL

SKILLS

C++, Python, Adobe Photoshop, Microsoft Office, Circuit Debugging, Embedded Technologies, Soldering, PCB Layouts, Altium Designer

WORK EXPERIENCE

Ghost Controls Electrical Engineer Specialist Intern - Designed and modified PCB layouts using Altium Designer for <u>gate automation products</u>. - Created and maintained component <u>libraries, footprints, and engineering documentation</u>. - Assembled and soldered prototype PCBAs for validation and testing. - Organized <u>BOMs, schematics, test results, and FMEA</u> documentation within SharePoint systems. - Collaborated with engineers to <u>troubleshoot design and manufacturing issues</u>. - Supported prototype verification and product development activities.	Sep 2025-March 2026
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TECHNICAL PROJECTS

AI ATL Hackathon Participant - Developed an <u>AI-powered fitness recommendation platform</u> using NLX and <u>Google API integrations to deliver personalized workout and nutrition plans</u>. - Implemented machine learning algorithms to <u>analyze user health metrics and generate adaptive recommendations</u> based on individual progress and goals. - Collaborated with a multidisciplinary team to <u>design, prototype, and present a functional AI-driven solution</u> under strict project deadlines. - Applied data analysis and software development principles to solve <u>real-world health and fitness challenges</u> in a competitive hackathon environment.	Oct 2024
HP FOWA Participant - Collaborated with <u>HP executives, OpenAI mentors, and student innovators</u> to develop technology-driven solutions addressing <u>real-world business and engineering challenges</u>. - Applied engineering <u>design thinking, problem-solving methodologies, and technical analysis</u> to evaluate and refine project concepts. - Presented project recommendations and technical findings to <u>industry professionals while incorporating feedback</u> from cross-functional stakeholders. - Strengthened teamwork, leadership, and communication skills through participation in a <u>nationally recognized innovation program</u>.	June 2024-Sep 2024
Teen Business Challenge Participant - Developed and pitched an innovative mobile <u>application concept to business leaders</u>, translating a technical idea into a marketable product solution. - Conducted market research and competitive analysis to <u>evaluate feasibility, user demand, and commercialization potential</u>. - Worked alongside software developers to transform conceptual designs into a functional prototype aligned with user and business requirements. - Earned first-place recognition by demonstrating <u>innovation, strategic planning, and entrepreneurial problem-solving</u>.	Feb 2022

LEADERSHIP & ACHIEVEMENTS

- IEEE Historian
- Athletic Scholarship Recipient, Florida A&M D1
FCS Football
- AI Atlanta Hackathon Winner (2024)
- HP FOWA Challenge Finalist (2024)
- Teen Business Challenge Winner (2020)

Jourdan Robinson

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OBJECTIVE

Driven Electronic Engineering Technology student focused on applied AI and embedded computing systems. Two years of experience in developing AI-enabled solutions from model implementation through edge deployment and seeking opportunities to improve efficiency and reduce dependence on manual processes in the robotics industry.

EDUCATION

Bachelor of Science in Electronic Engineering Technology - GPA: 3.8/4.0 Aug '24 - May '28

Florida Agricultural & Mechanical University | Tallahassee, FL

- **Relevant Coursework:** Computer Aided Circuit Analysis Lect. & Lab, Communication System Lect. & Lab, Microprocessors Lect. & Lab, Digital Electronics Lect. & Lab, Elec. Devices & Circuits Lect. & Lab, Electrical Fundamentals Lect. I, II & Labs

SKILLS

- **AI/ML:** Vision-Language Models, Vision Models, Logistics Regression, Retrieval Augmented Generation, TensorRT, FP16
- **Software & Tools:** Multisim, MPLAB X IDE, MPASM, TinkerCAD, Google Colab, KNIME, Kaggle, Excel, Python, C++
- **Hardware & Platforms:** Jetson Orin Nano, Raspberry Pi, Power Supply, Signal Generator, Oscilloscope, Dobot Robotic Arm
- **Certifications:** Introduction to Artificial Intelligence

PROFESSIONAL EXPERIENCE

Robotic Arm Pick-and-Place Accuracy & Motion Control - Research Sep '26 - Present

Florida Agricultural & Mechanical University | Tallahassee, FL

- Conducted a technical literature review and analyzed findings in Excel to evaluate coordinate calibration, approach positions, and motion trajectories for more accurate and repeatable robotic placement

Real-Time Edge AI for Subsea Structural Health Monitoring - Research Jun '26 - Present

FAMU-FSU COE - Research Experience for Undergraduates (REU) | Tallahassee, FL

- Fine-tuned and assessed **4 YOLO detectors** and the **Florence-2 Vision-Language Model**, to determine the best accuracy-deployment tradeoff for real-time, automated Level 1 Inspection on the **Jetson Orin Nano**
- Deployed and optimized a YOLOv2 medium model on a **Jetson Orin Nano** using **TensorRT & FP16 inference**, increasing inference throughput **58% (17.4 to 27.5 FPS)** and reducing latency **37% (57.5 to 36.4 ms)** while maintaining **72.9% F1 score**
- Designed a controlled experiment by evaluating models' robustness under **heavy turbidity, partial occlusion, and low-light conditions** to assess detection performance under realistic underwater environmental degradation

Embedded Real-Time Vision-Model System for Campus Recycling - Research Sep '25 - May '26

FAMU Strike Forward Internship | Tallahassee, FL

- Built and deployed an embedded computer vision system to a **Raspberry Pi** using a custom-trained **YOLOv8 nano model** fine-tuned on **4000+ annotated images** to enable real-time detection of common recyclable college campus objects
- Achieved **81.9% mAP@50** with **2-3 FPS** near-real-time inference by **fine-tuning model weights** and **FP16 optimization**

Predictive Analytics for Community Reinvestment at Renasant Bank Jan '26 - May '26

National Center for Secure AI Education | Tallahassee, FL

- Developed a **logistic regression model** using **Kaggle datasets** and **KNIME** to streamline workflows, improving prediction accuracy by **10%** through feature engineering, preprocessing, and model optimization

RAG-Based LLM Grounding for Florida Statutes & Court Data Jan '26 - May '26

National Center for Secure AI Education | Tallahassee, FL

- Built a **vector database** for Florida Statutes and Clerk of Courts best practices and implemented **retrieval augmented generation workflows** to ground **large-language models** on legal data, improving response accuracy and relevance

Electrical Fundamentals I Lab Teaching Assistant Aug '25 - Dec '25

Florida Agricultural & Mechanical University | Tallahassee, FL

- Supported **10+ students weekly** in hands-on circuit labs by troubleshooting circuit and measurement errors using **signal generators** and **oscilloscopes**, minimizing lab downtime

LEADERSHIP EXPERIENCE

Toronto Metropolitan University Thrill Design Competition - Leader Jun '25 - Nov '26

Universal Creative | Orlando, FL

- Led a **5-member multidisciplinary team** spanning architecture, civil, industrial, and computer engineering disciplines to develop an innovative amusement ride concept for the THRILL Design Competition Invitationals
- Advanced to **back-to-back invitationals in 2025 and 2026**, developing a new ride design under time constraints and presenting the solution to industry professionals at Universal Orlando

The Rattler Robotics Club - Community Service Chair Jun '25 - May '26

Florida Agricultural & Mechanical University | Tallahassee, FL

- Organized and led **3-5 robotics outreach events annually**, supporting K-12 students through STREAM initiatives
- Planned and executed event logistics, content development, and volunteer coordination for an educational, homecoming Jeopardy event serving **40+ engineering students**

Institute of Electrical and Electronics Engineers (IEEE) - Secretary Jan '24 - May '26

Florida Agricultural & Mechanical University | Tallahassee, FL

- Led and coordinated **3+ technical workshops and social events per semester**, increasing active member participation by approximately **20%**, while managing official records for a **12+ member organization**
- Established and led the design and construction of the IEEE organization wall, managing a team of **10+ volunteers** and leading to increased organization and member visibility for FAMU's Spring 2026 Career Fair



TYLER D. ROBINSON

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PROFESSIONAL SUMMARY

Motivated and dedicated 4th Year Electronic Engineering Major EET scholar with excellent communication in a team environment and computer skills. Well-rounded and professional team player dedicated to looking for a job experience that allows for me apply my analytical and creative skills through problem solving.

EXPERIENCE

McDonald's

Crew Member | Miramar, FL | May 2023 – August 2023

- Oversaw operations at registrar and main lobby to ensure smooth customer experiences
- Ensured customer satisfaction through effective communication while managing multiple tasks during shifts
- Provided exceptional customer service by greeting and assisting customers efficiently.

United States Southern Command

Student Assistant Manager | Doral, FL | May 2022 – August 2022

- Obtained security clearance to handle high-importance documents
- Researched various ice dispensers for SOUTHCOM's new lounge facility purchase
- Coordinated logistics for visiting government officials from around the globe

EDUCATION

Bachelor of Science in Electronics Engineering Technology

Expected in December 2027 | Florida A&M University | Tallahassee, FL

- FAMU-FSU College of Engineering
- FAMU Engineering LLC

CERTIFICATIONS

SM&T Boot Camp Training

Intel | Tallahassee, FL | June 2026

- During the summer of 2026, I participated in a bootcamp-style certification class that covers all that is needed to know about semiconductors and the production process
- Learned how to setup and use AI tools in a simulated environment to scan for anomalies that could possible happen when manufacturing semiconductors

Isaiah Street

• 727-250-9150 • isaiah1.street@fam.u.edu • St. Petersburg, FL • www.linkedin.com/in/ isaiah-street-881418319

EDUCATION

Florida A&M University | Tallahassee, FL Jan '24 - Dec '28

Bachelor of Science - Electronics Engineering Technology

- 2025 ELC Chevron Scholarship Recipient, Fall 2025 Google Scholar
- NSBE (National Society of Black Engineers) - is an active member contributing to engineering initiatives and professional development
- IEEE (Institute of Electrical and Electronics Engineers) - is engaged in technical workshops and collaborative projects
- FAMU Men's Club Soccer - Participating as a team member in collegiate-level soccer
- 727 CLUB - Engaged in collaborative community service projects
- NAACP (National Association for the Advancement of Colored People) - collaborative community service and leadership projects

KEY SKILLS

- Time management, organization, and customer service expertise, leadership, safety-first mindset, and team collaboration , problem solving
- Hardware: computer assembly, software, and hardware troubleshooting & maintenance
- Software: Adobe Photoshop, Autodesk, Microsoft Office suite (Word, PowerPoint), Mac OS , Windows

EXPERIENCE

The Home Depot | Tallahassee, FL Oct '25 - Present

Cashier

- Execute daily checkout operations while maintaining 100% compliance with OSHA-aligned safety standards and corporate risk management protocols

Inteletravel | Delray Beach, FL Feb '25 - Present

Travel Advisor

- Founded StreetSmart Travels, simplifying travel through expert planning and delivering exclusive, cost-effective deals

Hershey Entertainment & Resorts Company | Hershey, Pennsylvania May '25 - Aug '25

Internship

Foods Team Member & Entry Cook (promotion)

- Successfully completed the Level 1 Leadership Development Internship (HPLDI) while managing high-pressure kitchen operations for thousands of daily guests

Projects

- Engineered a high-performance PC, including hardware selection, RAM and CPU configuration, and thermal optimization, for a 25% increase in gaming processing throughput.
- Hardware/software compatibility troubleshooting through BIOS and system reliability maintenance.

Community Service

NAACP | Tallahassee, FL Aug '25 - Nov '25

2 hours

- Contributed to a variety of community service outreach efforts to the campus and student body of FAMU and Tallahassee, Florida.

NSBE | Tallahassee, FL Sep '25 - Oct '25

4 hours

- Assisted with trash pickup around the Bragg stadium and in the bleachers.

Sophia Woodstock

Swoodstock820@gmail.com | (813) 325-2972
www.linkedin.com/in/sophia-woodstock-5a87b9373
Lakeland, FL 33813

OBJECTIVE

Motivated Electronic Engineering Technology student seeking a Summer 2027 Engineering Internship to support cutting-edge medical device, laser system, and imaging technology projects using strong foundational skills in circuit analysis, solid works, and artificial intelligence.

EDUCATION

Florida A&M University January 2026 – December 2028

Bachelor of Science: Electronic Engineering Technology | Tallahassee, FL

Relevant Coursework: Digital Logic, Circuit Analysis, Electrical Fundamentals, and Artificial Intelligence Concepts

Polk State Lakeland Collegiate High School August 2023 – May 2025

Associate in Arts/ Dual Enrollment | Lakeland, FL

PROJECTS

Portable Pulse Oximeter (In Progress) September 2026 – Present

- Designing system hardware integrating an Arduino Nano and MAX30102 optical biosensor
- Modeling and 3D-printing a custom physical enclosure using Tinkercad
- Programming embedded firmware to calculate SpO2 and heart rate from optical sensor readings
- Integrating an OLED display screen to output live health metrics in real time

GROUPS

FAMU NSBE – “National Society of Black Engineers” | *Membership chair* August 2026 – Present

- Served as the point of contact for members, guiding them through registration, dues, and chapter orientation
- Executed member retention strategies and targeted outreach, increasing meeting attendance and engagement

FAMU IEEE – “Institute of Electrical and Electronics Engineers” | *Secretary* January 2026 – Present

- Tracked member attendance, membership rosters, and chapter documentation to ensure compliance with university and regional IEEE guidelines
- Documented detailed meeting minutes and maintained executive archives to track action items, officer assignments, and chapter decisions

YMCA Leaders Club | *Communications officer* January 2024 – May 2025

- Directed digital content strategy and social media communications to cultivate member engagement and outreach
- Dedicated 5-7 hours weekly to attend board meetings, generate weekly meeting agenda, develop leadership presentations for teens, and lead volunteering events

WORK EXPERIENCE

Peterson Nursery & Garden Center | *Sales and pricing* | Lakeland, FL April 2025 – December 2025

- Managed indoor product displays and pricing setups to ensure consistent store presentation
- Provided technical guidance on plant care, maintenance, and custom landscaping plans
- Built customer relationships and promoted loyalty programs to drive repeat business and resolve client inquiries

Micro- Entrepreneur | *YourSnackSpot.LLC* | Lakeland, FL August 2021 – May 2026

- Founded and operated an independent vending machine enterprise from concept to daily operations
- Built custom Excel models to track inventory turn rates, monitor cash flow, and analyze profit margins
- Handled equipment maintenance, stock replenishment, local advertising, and patron feedback resolution

Evolv3.LLC | *Painting and home repair assistant* | Lakeland, FL June 2019 – April 2021

- Applied hands-on technical skills to complete structural maintenance and general handyman repairs.
- Executed surface preparation, precision interior and exterior painting, and pressure washing operations.
- Operated power equipment and restoration tools to perform property repair projects safely and efficiently

References available upon request

Arianna Young

Ariannay20@gmail.com || (407)-383-8504

EDUCATION

Florida A & M University

School of Architecture and Engineering Technology

Bachelor of Science: Electronic Engineering Technology

Skills: laboratory Testing, data acquisition, semiconductor research, team collaboration

Tallahassee, FL

Anticipated Graduation: Spring 2027

GPA:3.54/4.0

WORK EXPERIENCE

Undergraduate Lab Research Assistant

Undergraduate Assistant

- Explore properties of different reactive materials for research
- Monitor photon production levels in experiments
- Conducted experiments to support ongoing research projects in various scientific fields.
- Prepared and analyzed samples using laboratory equipment and techniques.
- Maintained laboratory inventory and ordered supplies as needed for experiments.

Tallahassee, FL

May 2024 – May 2026

Undergraduate Lab Research Assistant

Undergraduate Assistant

- Facilitated semiconductor workshops to build participant skills and foster practical application
- Conducted semiconductor research projects to deepen knowledge and contribute to team insights
- Completed the Intel- FAMU Semiconductor Manufacturing and Technology Training Bootcamp

Tallahassee & Gainesville, FL

December 2024 – July 2026

VOLUNTEERING

VEX Robotics

- Acted as referee for the robotics competition
- Set up competition zones

Tallahassee, FL

February 2025

GROUPS

Institute of Electrical and Electronic Engineering

- Active Member
- President (Present)

2024-Present

Society of Physics Students (SPS)

- Active Member
- Historian

2025-2026