

Leah Vaughan

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Tupelo, MS 38801

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Skills

- Communication and Collaboration
 - Troubleshooting
 - C++, Python, Arduino, Linux, PIC, MATLAB, YOLO programming
 - Microsoft Excel, PowerPoint, Outlook
 - 3D printing and 3D design
 - Project planning and management
 - Function generator, oscilloscope, multimeter usage
 - Circuit design and layout
 - Integration of sensors for object detection and processing
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Experience

Mississippi State University / Lab Mentor

JANUARY, 2024 - CURRENT STARKVILLE, MS

Assist and supervise students during lab time with Arduino programming and breadboard wiring. Provide feedback on graded assignments. Collaborate with professors to relay student behaviors.

Entergy Mississippi, LLC / Reliability Engineering Co-op

MAY, 2023 - CURRENT JACKSON, MS

Scoped projects in field. Digitized power line maps. Organized and created outage maps. Recognize and manage potential threats that may impact dependability of assets and business operations.

Mississippi State University / Undergraduate Research Position

JANUARY, 2023 - DECEMBER, 2023 STARKVILLE, MS

Researched object detection software. Wrote an article about Yolo, real-time object detection. Processed images through detection software. Learned Linux programming.

Mississippi State University / Undergraduate Research Position

MAY, 2022 - AUGUST, 2022 STARKVILLE, MS

Developed main idea, scope, purpose, and topics. Created a local database for a taxonomy of terms. Integrated external ontologies with local ontologies. Attended Undergraduate Research Symposiums.

Mississippi State University / Student Facilitator

JANUARY, 2022 - MAY, 2022 STARKVILLE, MS

Provided computer support for professors while teaching. Facilitated recording and audio software. Assisted professor with distance learning side of course.

Barronee's Handmade Goods / Co-Owner

NOVEMBER 2015 - APRIL 2019, TUPELO, MS

Describe merchandise and explain use, operation, and care of merchandise to customers. Recommend, select, and help locate or obtain merchandise based on customer needs and desires. Demonstrate use or operation of merchandise. Sell or arrange for delivery, insurance, financing, or service contracts for merchandise.

Education

Mississippi State University

AUGUST, 2020 - DECEMBER 2024 STARKVILLE, MS

- Bachelor of Science in Electrical Engineering with a focus on power and object detection
- Minor in Mathematics
- Member of the Women in Electrical and Computer Engineering and Sigma Alpha Lambda
- NASA@ My Library applicant
- Awarded Chick-fil-A Remarkable Futures Scholarship, Colvard Future Leader Scholars, and Academic Scholarship
- Choctaw Preview Day Volunteer
- Undergraduate Research Student Panel Member

Projects

Capstone Design / Ison

JANUARY, 2024 - CURRENT

- Project Manager
- Trained YOLO to detect text in various settings
- Charging station support
- Text-to-Speech support
- Sketched circuit design on TinkerCAD
- Pitched and designed presentations

Introduction to ECE Design / Automated Dog Food Feeder

AUGUST, 2020 - MAY, 2021

- Project Manager
- Designed with AutoCAD to design food section mechanism
- Coded with Arduino to rotate food section mechanism
- Pitched and designed presentations
- Ordered parts