

TOM TIGER

Memphis, TN • 901-000-0000 • tiger@memphis.edu • www.linkedin.com/tomtiger

EDUCATION

University of Memphis, Memphis, TN
Bachelor of Science, Engineering Technology

Expected Graduation: May 2026

- GPA: 3.5/4.0
- Relevant Coursework: Industrial Automation, Electrical Systems, Fluid Power, Manufacturing Processes, Engineering Materials, Quality Control, PLC Programming, CAD & Drafting, Robotics

RELEVANT EXPERIENCE

AAON, Inc., Memphis, TN
Manufacturing Engineering Intern

May – August 2024

- Assisted in setting up automated assembly lines and troubleshooting PLC-controlled equipment
- Created and updated process documentation, reducing operator error by 20%
- Performed time-motion studies that led to a 10% increase in workstation efficiency
- Collaborated with technicians to install and test new sensors and HMI panels

University of Memphis- Engineering Technology Department, Memphis, TN
Lab Technician – Automation & Controls Lab

September 2023 – Present

- Calibrated and maintained lab equipment including VFDs, sensors, and pneumatic systems
- Supported student projects involving PLCs (Allen-Bradley, Siemens) and ladder logic programming
- Conducted safety briefings and ensured adherence to lab protocols

PROJECTS EXPERIENCE

Smart Conveyor Belt System (Capstone Project)

Fall 2024

- Designed and implemented an automated conveyor with sensor-based part sorting
- Programmed logic in RSLogix 5000 and integrated with HMI for real-time feedback
- Reduced cycle time by 15% during simulation testing

3D-Printed Drone Frame with Embedded Electronics

Spring 2023

- Designed frame using SolidWorks and printed via FDM
- Integrated wiring and ESCs into frame to reduce weight and improve aerodynamics

VOLUNTEER WORK EXPERIENCE

Cordova High School- High School STEM Outreach, Cordova, TN
Volunteer

Summer 2024

- Led robotics and 3D printing workshops for high school students
- Promoted STEM interest and improved hands-on skills among 50+ participants

TECHNICAL SKILLS

- Software: AutoCAD, SolidWorks, LabVIEW, RSLogix, MATLAB, Fusion 360, Excel (Advanced)
- Programming: Ladder Logic, Python (Basic), Arduino, C++
- Systems: PLCs (AB & Siemens), VFDs, HMIs, SCADA, Industrial Sensors
- Equipment: Oscilloscopes, CNC Machines, 3D Printers, Pneumatic Trainers, Calipers, Multimeters

CERTIFICATIONS & AFFILIATIONS

- OSHA 10-Hour General Industry Safety Certification
- Member, Society of Manufacturing Engineers (SME)
- Certified SolidWorks Associate (CSWA) – 2024
- Fundamentals of Engineering (FE) – Scheduled Dec 2025