

Stuart Luhigo

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EDUCATION

Bachelor of Science in Electrical Engineering, May 2028

The University of Alabama, Tuscaloosa, AL Mathematics Minor 4.0/4.0 GPA

WORK EXPERIENCE

College Engineering Intern – Calibration and Metrology, Endress+Hauser USA, Greenwood IN, Aug 2023 - Aug 2024 and May 2025 - July 2025

- Spent 140 hours completing initial CAD for a 500+ part multi-million-dollar machine including over 100 pages of documentation detailing complex mechanical design
- Purchased and assembled \$40k of components for an industrial ethernet customer training/demo case
- Upgraded measuring section of a flow calibration rig to improve maximum flow rate by ~20%
- Re-engineered 40+ pages of CAD for portable flow calibration rig to improve equipment critical functions
- Designed and built a skid to train service technicians on a new high temperature ultrasonic flow meter
- Wrote software to automate processes involving complex machinery
- Developed a design for a pressure calibration bench to increase maximum throughput by over 50%
- Led a team of 20 interns to create an interactive measurement technology display for children's education
- Completed high school internship with the organization from Aug 2023-May 2024
- Established an understanding of metrology, measurement technology, and process automation

Resident Advisor, The University of Alabama, Tuscaloosa AL, Jul 2025 - Present

- Foster a safe, inclusive, and engaging residential community for over 40+ students
- Lead programming initiatives to promote academic success, personal development, and campus involvement
- Serve as a peer mentor and first responder in crisis situations, collaborating with university staff to uphold housing policies and support student well-being

Production Assistant, The University of Alabama Athletics - Crimson Tide Productions, Tuscaloosa AL, Oct 2024 - Present

- Technical setup and execution of digital and linear television broadcasts to ESPN and SECN for NCAA athletics

Chief Executive Officer, Stuart Luhigo Productions, LLC, Greenwood IN, Jul 2022 - Present

- Control all aspects of small business finances and operations
- Installed multiple video productions systems across Indiana

HONORS/AWARDS

The University of Alabama Presidents List - Fall 2024, Spring 2025

Collegeboard National African American Recognition Program 2022-2023 and AP Scholar

Indiana Department of Workforce Development Governor's Work Ethic Certificate

Indiana Association of Track and Cross-Country Coaches First Team Academic All-State for Track and Field

CERTIFICATIONS

- Arduino Fundamentals Certification on Electronics and Physical Computing
- 2nd Edition Dante Level 2 Certified
- Electronic Theater Controls Certification on DMX Theory, Operation, and Troubleshooting

KEY SKILLS

Autodesk Inventor Professional, Autodesk Fusion, CAD, Microsoft Office, Adobe CC Suite, C/Python Programming, AVoIP

VOLUNTEER SERVICE

- Horizon House - Now For Neighbors Broadcast - raised over \$100k for individuals experiencing homelessness
- Midwest Food Bank Indiana - Volunteer Team Lead

CAMPUS INVOLVEMENT

- Co-Lead and CAD Design Manager for Battery Disconnect Unit for the Battery Workforce Challenge engineering design team, Sept 2024 – Present
- Social Media Officer and Member – RunUA, Sept 2024 – Present