



## Ethan Suttor

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GPA: 3.00/4.00

May 11 – August 14, 2026

**OBJECTIVE** First Electrical Engineering co-op position

**EDUCATION** **Bachelor of Science in Electrical Engineering** Expected December 2027  
**Master of Engineering in Electrical Engineering** Expected May 2029  
*J.B. Speed School of Engineering*  
University of Louisville, Kentucky

**SKILLS** Technical Skills/Relevant Coursework

- SolidWorks
- Nocti CAD Foundations Certificate - State Certification in computer-aided design
- Logics Design and Lab
- Network Analysis I & Lab
- VHDL
- Computer Programming

**APPLIED EXPERIENCE** **10-bit Synchronous Up/Down Counter (FPGA):** Designed and implemented entirely in VHDL and run on the Basys3 FPGA board. The counter dynamically responds to user input, changing its numerical value between 0 and 1000 based on input from the onboard switches and buttons. Every clock pulse is triggered by the pressing the button, increments or decreases the value of the counter.

**ENGINEERING EXPERIENCE** **Nifco Americans** August 2022 – May 2023  
*Engineering Co-op* Shelbyville, KY

- Learned processes from design engineers
- Designed specific small parts for machines and conveyors
- Updated network database and engineering drawing book
- Learned process for documenting and logging part changes for suppliers

**Speed Center for Innovation (SCI)** January 2026 – Present  
*Student Worker* Louisville, KY

- Help students learn the basics of hands-on electronics and hardware prototyping.
- Assist peers with component selection and debugging for embedded systems and PCB designs.
- Manage the electronics workstation, providing technical support to students on soldering techniques, circuit troubleshooting, and the proper use of test equipment.

**WORK EXPERIENCE** **Engineering Living and Learning Community Peer Mentor** January 2025 – Present  
*Speed School Student Success* Louisville, KY

- Assist first-year engineering students with navigating their classes
- Offer advice and strategies to help them succeed
- Hold two events per semester to drive student engagement.

**ACTIVITIES & HONORS** Work 15 hours per week  
Sigma Chi Fraternity, **Tribune Chair**

- Interacted with Alumni

Speed School Student Council, **Director of Society Relations**  
Institute of Electrical and Electronic Engineers (IEEE) (**Executive Officer**)

- Encouraged teamwork through encouragement and developing expectations for performance

**Service Hours:**  
Raise Red 2x (**\$1500+ raised**)