

# Devin B. Bester

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## Education

University of Kentucky | Lexington, KY

**Bachelor of Science in Mechanical Engineering**

**Minor in Mathematics**

*Lean Manufacturing Systems Certified*

*Expected to Graduate: December 2026*

**GPA: 3.72**

*Honors:* Lewis Honors College Scholars in Engineering & Management, Dean's List, Presidential Scholarship Recipient, Omicron Delta Kappa Officer, Pi Tau Sigma Member, Chellgren Student Fellows, LSAMP Level One Scholar

*Relevant Courses:* Dynamics, Engineering Thermodynamics II, Fluid Mechanics, Mechanical Design, Marketing Strategy for Business & Engineering, Materials and Manufacturing, Mechanics of Deformable Solids, Elements Heat Transfer

## Skills

- SolidWorks
- Laser-cutting
- Python
- PolyWorks
- CREO Parametric
- 3D-Printing
- MATLAB
- Laser Scanning

## Work & Research Experience

**Columbia University Engineering SURE REU** | *Undergraduate Researcher*

May 2025 – Present

- Created anatomical models of mouse uterine horns using MRI scan data of different gestation periods
- Conducted FEA on mouse model to better understand mechanical behavior of murine reproductive tissue

**UKY Neuroscience “Symphony of the Cell” Data Sonification** | *Undergraduate Researcher*

January 2024 – Present

- Intersect music and biology to create a program which produces sounds from amino acids
- Compile and study data showing the program's effectiveness in teaching students about molecular biology

**GE Appliances, a Haier Company** | *Mechanical Systems Co-op*

January 2025 – May 2025

- Fabricate new part designs and problem-solve across the production cycle as lead design engineer
- Researched, planned, and presented over \$100k in cost savings opportunities for vendor supply changes
- Navigate massive databases containing intricate CAD assemblies and sensitive financial information

**Johns Hopkins Whiting School of Engineering PROPEL REU** | *Undergraduate Researcher*

May 2024 – July 2024

- Conceptualized, designed, and prototyped a device for autonomous microvascular anastomosis
- Presented progress at weekly meetings and results at campus wide research conference

## Leadership Experience

**Stanley & Karen Pigman College of Engineering** | *Student Ambassador*

August 2023 – Present

- Represent the University of Kentucky at recruiting tours and prospective student events
- Outline my experience in the program via family meet and greets and student speaking panels

**Engineering Living Learning Program** | *Peer Mentor*

August 2023 – Present

- Mentor incoming freshman engineering students through introduction to campus life & coordinating events
- Hold weekly office hours to allow students to seek advice, assistance, and general community

**UKY National Society of Black Engineers (NSBE)**

*President, Former Engineering Student Council Representative, Former Membership Chair*

April 2023 – Present

- Demonstrate and present fundraising needs to senior administration and external investors
- Proactively plan, execute, and advertise membership activities to promote engagement throughout the semester

**UK 101 – Academic Orientation** | *Peer Instructor*

August 2023 – August 2024

- Collaborate with a primary instructor to prepare weekly class presentations and assignments
- Instruct a class of 25 students, advising them of both university and college of engineering expectations

## Extracurricular/Volunteer Work

- Transition 2 Engineering Project Kickoff Mentor
- NFL Youth Alumni Camp Counselor
- UKY Merit Days Volunteer
- Background Actor – Studio films, ESPN promo