



Education

[January 2024 – May 2025]

Master of Science (MS) / University of Louisville – Louisville, Ky

- Major: Mechanical Engineering
- GPA = 4.0

[August 2020 – December 2023]

Bachelor of Science (BS) / Western Kentucky University – Bowling Green, Ky

- Major: Mechanical Engineering (Minor: Systems Engineering)
- GPA = 3.88 (Summa Cum Laude)
 - Tau Beta Pi (TBP) – Engineering Honor Society
 - WKU's American Society of Mechanical Engineers (ASME) Club

[August 2016 – May 2020]

High School Diploma / South Oldham High School – Crestwood, Ky

- GPA = 3.96 (Summa Cum Laude)
 - Percussionist for Advanced Concert Band Ensemble
 - Ski Club

Skills and Qualifications

Experienced with:

- **Computer-Aided Design (CAD)**
- **SOLIDWORKS** 3D Modeling/Simulation/Sketching Software
- **Ansys Workbench** Fluent Simulation Software
- **Microsoft office** (Word, Excel, Teams, PPT, etc.)
- **Milling** (Machining)
- **Mathcad** Mathematics Software
- **Minitab** Statistical Software
- Foundational **MATLAB & Simulink**
- Some with Programmable Logic Controllers (**PLCs**).
- Utilization of **Epicor ERP** shipping software

Qualities:

- Great Work Ethic – Excellent Attendance.
- Always there to help out when someone's struggling with a problem.
- Able to work well with others and communicate clearly.

Professional Experience

[Nov 2024 – Jan 2025] · 3 mos

Graduate Student Research Assistant / University of Louisville – Louisville, Ky

- Preliminary study on *High-Velocity Impact Testing of Fractal Sandwich Structures*.
- Conduct literature reviews, analyze existing data, and assist in the preparation of methodologies for upcoming experimental testing.

[May 2024 – Aug 2024] · 4 mos

Process Technician-Mold Setter / Jones Plastic & Engineering (Rev-A-Shelf) – Jeffersontown, Ky

- Monitor mold machine settings to ensure proper molding and production rates (Paulson Training).
- Conduct Mold installation/removal, quality checks, maintenance, and color changes.

[May 2022 – Aug 2022] & [May 2023 – Aug 2023] & [Dec 2023 – Jan 2024] · Seasonal

Mold Technician-Machinist / Jones Plastic & Engineering (Rev-A-Shelf) – Jeffersontown, Ky

- Read and interpret part drawings designed by the engineering department, and operate a milling machine to satisfy part specifications.
- Troubleshooting, documenting, and diagnosing problems with molds, and making necessary repairs, maintenance, and modifications.
- Used a variety of tools and equipment, including: Hand tools, power tools, measuring tools, and mold maintenance equipment.
- Maintaining molds involving cleaning, repairing, and replacing components as needed.

[May 2021 – Aug 2021] & [Dec 2022 – Jan 2023] · Seasonal

Packer / Rev-A-Shelf – Louisville, Ky

- Package finished products according to customer requirements and quality standards.
- Troubleshooting errors on inventory and ensuring accuracy on shipments.
- Label and tag packages with correct shipping information.

[May 2020 – Aug 2020] · 4 mos

Molding Machine Operator / Jones Plastic & Engineering (Rev-A-Shelf) – Jeffersontown, Ky

- Operate molding machines to produce plastic components according to production schedules and quality standards.
- Inspect finished components for defects and ensure they meet quality standards.

[July 2019 – Aug 2019] · 2 mos

Package Handler / United Parcel Service (UPS) – Louisville, Ky

- Responsible for sorting, loading, and unloading packages and other materials that are shipped through the company's delivery network.
- Operate package handling equipment such as conveyor belts and scanners, and perform quality control checks on packages.

Professional Affiliations

- Tau Beta Pi (TBP) – Engineering Honor Society

Interests/Activities

- Musician – Piano (Band: “Bad Companions” – 80s/90s Country)
- Sports Enthusiast
- Gamer
- Golfer
- Snowboarder
- Artist/Painter