

# Landon Brasky

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www.landonbrasky.com

## EDUCATION

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**Purdue University, School of Engineering**  
Bachelor of Science, Industrial Engineering

*West Lafayette, IN*  
*May 2027*

## PROFESSIONAL EXPERIENCE

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### **Allegion**

*Advanced Manufacturing Engineering Intern*

*Carmel, IN*  
*May 2025 – Present*

- Investigated automated material delivery solutions by researching AMR/AGV robots, evaluating site processes, and planning routes, testing, and integration strategies.
- Optimized fork truck usage by analyzing fleet efficiency, recommending new routing paths and battery solutions, and eliminating underperforming models.
- Led shelf optimization efforts by mapping material flow and developing a relocation plan to reduce production waste and improve workflow efficiency.

### **Trucent Centrifuge Parts & Repair**

*Technical Projects Intern*

*Noblesville, IN*  
*May 2024 – August 2024*

- Conducted inventory analysis and vendor communications, optimizing aftermarket offerings and significantly increasing profit margins.
- Improved spindle fitting by designing/manufacturing new lap tools and managing project timelines and vendor coordination.
- Integrated part data into a new ERP system, organized barcode systems, and tested devices, recording flaws and inefficiencies.
- Redesigned shipping layout, enhancing efficiency and reducing employee wait times.

## LEADERSHIP AND INVOLVEMENT

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### **Salt Company**

*Student Leader*

*West Lafayette, IN*  
*May 2025 – Present*

- Lead weekly small group meetings, facilitating engaging discussions that encourage spiritual growth and personal connection among members.
- Provided mentorship to build relationships and support personal and faith development.
- Collaborate with other leaders and staff to design and execute campus-wide outreach initiatives that increased student engagement and visibility of the organization.

### **VEX Robotics Competition**

*Builder, Driver & Team Lead*

*Arcadia, IN*  
*August 2019 – May 2023*

- Co-founded and led the Hamilton Heights High School VEX Robotics Team (2019-2023), achieving qualification for the World Championship three times.
- Led 5-member team in design, programming, and competition strategy under strict engineering constraints.
- Secured 15 awards (5 Tournament Champion, 5 Performance, 5 Judged) through expertise in building, coding, and design.
- Achieved 7th in Technology Division and 34th overall out of 811 teams at the 2023 VEX Worlds.

## RELEVANT SKILLS

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- Systems analysis & process optimization
- Data-driven decision making
- Cross-functional team leadership & facilitation
- Project planning & execution
- Continuous improvement mindset
- Effective communication & reporting