Ryan Goffinet

(574) 312-3401 | goffiner@purdue.edu

EDUCATION

Purdue University, West Lafayette, Indiana   May 2026
Bachelor of Science in Mechanical Engineering   GPA: 3.39/4.00
Minor: Global Engineering Studies (GEARE)
Honors College, Dean's List (3 semesters)

PROJECT EXPERIENCE

Battery Fire Container, Purdue University   January 2024 - May 2024
Team Member
- Created prototype for a battery fire containment device for personal electric transportation
- Generated models to ensure fireproofing for temperatures up to 1000°F
- Presented findings through a presentation and a report

Emergency Response Robot, Purdue University   January 2023 – May 2023
Team Member
- Built robot to autonomously navigate along and map 5 types of courses
- Generated Python code to activate motors and 3 types of sensors to avoid 3 types of hazards
- Communicated weekly as a team member to accomplish goals

Egg Drop, Purdue University   January 2023
Team Member
- Built system to slow acceleration of an egg below 40 m/s^2 over a 3 story drop
- Calculated best use of materials for a design within 12 dollars
- Analyzed experimental data to minimize risk of failure

WORK EXPERIENCE

Martin's Supermarkets, Granger, IN   June 2023 – August 2023
Cashier
- Greet and communicate with customers in order to ensure customer satisfaction
- Maintain cashier drawer to ensure money is properly accounted for
- Adapt to needs of day to day operation and work where needed

ACADEMIC INVOLVEMENT

American Society of Mechanical Engineers- Grand Prix Team, Purdue University   August 2023 - Present
Member
- Analyze testing data to optimize the fuel consumption of the kart
- Integrate multiple systems into a cohesive larger project
- Create a model for the amount of fuel needed to drive per lap

SKILLS
- Intermediate proficiency in Spanish
- Knowledge of Python, MATLAB, C, C++, Inventor, Fusion 360, NX