

Julia Mocny

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Education

University of Michigan, Ann Arbor, MI / B.S.E Industrial and Operations Engineering **August 2020 - Present**
GPA: 4.00/4.00, Expected Graduation Date: May 2024

Additional Activities: College - Engineering Global Leadership Honors Program, International Minor for Engineers, National Organization for Business and Engineering VP Marketing, Tau Beta Pi Engineering Honor Society, Career Fair Operations Committee Chair, Mixed@Michigan, intramural soccer; High School - varsity soccer and basketball captains

Work Experience

General Motors LDT, Lansing, MI / Vehicle Systems IE Integration Intern **May 2022 - August 2022**

- Designed and conducted a study to optimize the weld integrity team and implemented process changes that reduced the task time by 32% per shift while establishing a standard, repeatable process for objectively determining weld checking times, a job performed at every General Motors assembly plant
- Ergonomically evaluated 25 stations on the engine line following significant job changes and ensured team member safety by executing process improvements when 3 stations failed to meet required standards
- Supported the IE team by validating line speeds and assembly jobs, updating/writing standard work to represent current operations, and developing tools and resources on Excel and VBA to streamline the workflow of the IEs

Harley-Davidson PTO, Menomonee Falls, WI / Manufacturing Engineering Intern **May 2021 - July 2021**

- Developed and implemented quality control processes in cylinder heads and inner primaries that decreased overall conditions per hundred, the plant's main quality tracking metric
- Created a data tracking report to measure leak test and first pass yield progress of the newly launched RMX crankcases for supplier feedback resulting in a redesign of the part and a first pass yield increase of about 50%
- Performed various tasks such as writing standard work, control plans, and control plan check sheets in the aluminum machining department to support the manufacturing engineering team

Automotive Futures, Ann Arbor, MI / Research Assistant **September 2020 - August 2022**

- Conducted research to help automotive companies better predict and prepare for their industry's future
- Completed a survey analysis of Tesla's perceived impact on the industry and acceleration of electric vehicle adoption that informed manufacturers' strategies for electrification
- Built and evaluated the results of a survey that examined the current transitional period to full electric vehicles through hybrid electric vehicles and identified consumers' wants and needs for fully or partially electrified vehicles

PennAir, York, PA / Engineering Intern **July 2019 - August 2019**

- Independently engineered a solution to a foam packaging system, demonstrating problem solving and creativity
- Observed and assisted different engineers to understand complete process of brainstorming, designing, and building solutions for manufacturing, PennAir's area of expertise
- Directly shadowed the CEO to learn the business side of the company including strategy and investment

Clubs

Michigan Investment Group (MIG), Ann Arbor, MI / Analyst **September 2020 - January 2022**

- Selected as an analyst in MIG, a student led club at the University of Michigan where members form stock pitches to present to the club to decide which stocks MIG will invest in
- Evaluated and presented company background and catalysts for group's successful pitches of CRWD, a stock that has gone up about 77% since, HD (+25%), and COST (+29%)
- Improved business-minded critical thinking and public speaking skills through presenting

Skills: Lean Six Sigma Black Belt Educated, Excel, Access, SPSS, Qualtrics, MatLab, C++, SQL, VBA, R, Python, AutoCAD, Ansys SpaceClaim and Discovery