

Trevor Ladner

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Education

Purdue University – West Lafayette, IN

Bachelor of Science in Mechanical Engineering – Honors

GPA: 3.70/4.00

Minors in Engineering and Public Policy, Political Science, & Intellectual Property Law for Engineers

Professional Experience

Rivian Automotive – Plymouth, MI and Irvine, CA

Engineering Intern – Interior Cores

June 2021-August 2021

- Managed test data for over 500 interior components to meet compliance with FMVSS 302 and other federal certification standards
- Oversaw test deployments and part management for curtain airbag functionality requirements
- Updated over 20 internal testing standards and the interior master design verification plan to better reflect company standards and needs for future product development
- Led the conceptualization of an innovation suite for sensitive advanced idea creation and progression

Interiors Engineering Intern

June 2020-August 2020

- Developed 22 company specific test standards based on ASTM, SAE, ISO, and other standards organizations to ensure parts meet company requirements
- Operated as a vehicle component owner managing the development, design, and sourcing of a component for the vehicle using a never before used material

Magna International – Seating Division – Novi, MI

Product Engineering Intern

May 2019-August 2019

- Collaborated with other engineers through multiple steps of work in research and development of a new product including DFMEA
- Assisted in testing prototype internal research projects

Purdue University Engineering Honors Program – West Lafayette, IN

Lead Peer Teaching Assistant

August 2019-May 2022

- Managed the course-wide deployment of a new operating system version
- Coordinated course project logistics and managed the execution of project demonstrations
- Provided assistance to students in class on relevant material and provided constructive feedback on completed work to encourage adept course material understanding
- Developed course Raspberry Pi Projects using Linux based operating system

Leadership Experience

Purdue University Honors College Racing Crew – West Lafayette, IN

August 2018-May 2022

Crew Chief, Assistant Director, Public Relations Lead, Sponsorship Lead

Purdue Mechanical Engineering Ambassadors – West Lafayette, IN

May 2020-May 2022

Vice President, Student Activities Committee Head, Public Relations Committee Head

Tau Beta Sigma – Beta Sigma Chapter – West Lafayette, IN

March 2021-May 2022

Webmaster

Skills

Catia V5/6 | DVP&R | Public Speaking | Teamwork | DFMEA | MatLab | Python | Microsoft Office | Google Suite

Awards and Publications

Runner-Up in the Mallot Innovation and Design Competition for Mechanical Engineering Senior Design

Finalist for the Purdue John M. Starkey Prize in Mechanical Engineering for the top Undergrad ME Student

Finalist in the Brian Lamb School of Communication's Fraser Speaking Competition

"A Watchful Eye: A Play in Four Acts for Human and AI Spectators," Hybrid Pedagogy, October 2020