

Andrew Casparius

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Objective:

Second-year mechanical engineering student seeking multidisciplinary internship opportunities across varied industries and cross-functional fields.

Professional Experience:

Media Intern, The Vanguard Group

Malvern, PA

The Vanguard Group is a multinational investment management firm with trillions of dollars under management. May 2022 - Jun 2022

- Supported teams across the video production lifecycle from video editing to animation for a core branding campaign.
- Streamlined highly collaborative production workflows and processes to enable interoperability between multiple video production tools.
- Optimized existing video assets to significantly reduce future production timelines.
- Supported production teams in coordinating with leading media organizations to enable and further brand growth through internationally televised interviews and maintain alignment with public relations strategies.
- Developed internal onboarding media to maintain brand cohesion and convey organizational values.

Freelance Video Editor and Media Consultant,

May 2021

National Capital Area Chapter: United States Association for Energy Economics

- Advised board as a subject matter expert on several aspects of media production.
- Conducted in-depth analysis to produce marketing media of an industry conference for several media platforms using industry-standard tools.

Education:

Purdue University, BS Mechanical Engineering

West Lafayette,

GPA: 3.88, Dean's List: Fall 2022, Spring 2023

IN

Coursework:

2022 - 2026

- Thermodynamics I, Statics, Graphical Communication and Spatial Analysis

Skills:

- Programming Languages: C, Python, Matlab, HTML/CSS
- Aras Innovator
- CAD: Autodesk Fusion 360, NX, Vectorworks
- Microsoft 365: Excel, PowerPoint, Word, etc.
- Adobe Creative Cloud: After Effects, Premiere Pro, Illustrator, Photoshop, etc.

Organizations:

- Theme Park Engineering & Design
- Collaborated with an interdisciplinary team of engineers and designers in the ideation, design, and execution of various entertainment industry inspired projects.

Projects:

- SHOVE: a Disney-inspired interactive robot deployed across Purdue University's campus.
- Boilermaker Labs K'NEX Coaster: Fused storytelling with engineering in a Purdue University-themed mechanized K'NEX roller coaster; fabricated with custom-engineered 3D-printed components.

Conestoga High School

Berwyn, PA

GPA: 4.0/4.0

2018-2022