AMISH JARIWALA

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CAREER OBJECTIVE

Seeking a Summer 2026 internship in product development to contribute to the full product lifecycle, while building a long-term career in innovative mechanical design.

EDUCATION

Georgia Institute of Technology Atlanta, Georgia
Bachelor of Science in Mechanical Engineering 08/2022 - 12/2026

- GPA: 3.74 | Dean's List
- BS/MS Program (Concurrent +1 Year Master's Program - 12/2027)

SOFTWARE PROFICIENCY

- CATIA
- Solidworks
- Fusion
- ANSYS
- 3DExperience
- MATLAB
- DAX
- PowerQuery/SQL
- SAP
- AI/ML Tools

TECHNICAL SKILLS

- Mechanical Design
- CAD/CAE Simulation
- Finite Element Analysis (FEA)
- Geometric Dimensional and Tolerancing (GD&T)
- Design for Manufacturing (DFM)
- Failure Mode and Effects Analysis (FMEA)
- Quality Function Development (QFD)
- Prototyping, Fabrication, & Machining
- Installation & Performance Qualification
- Program & Project Management
- Data Analysis
- Applied AI
- JIRA

EXPERIENCE

Rivian Normal, IL
Manufacturing Engineering Body Closures Co-op 05/2025 - *Present*

- Commissioned the R2 hood assembly line from mechanical install through 40+ manufacturing builds, executing joining (adhesive, resistance spot welding) and dimensional (gap/flush, repeatability) validation
- Drove two high-severity quality issues addressing hemming, e-coat boil-out, and dimensional drift through the introduction of a two-part acrylic epoxy hem adhesive from problem identification to vendor buyoff
- Designed, prototyped, and validated a new hood to fender fixture using Geometric Dimensioning & Tolerancing (GD&T) for accurate dimensional setting to meet takt time
- Conducted design for manufacturing analysis for the R3 Liftgate and Hood, identifying process changes projected to reduce stations by 25% through introducing new techniques such as tailor/laser welded blanks
- Created several new standards to increase the accuracy of virtual commissioning/cycle time equipment standard times
- Developed and maintained dashboards to track installation progress for all six automated assembly lines, enhancing project visibility and cross-functional communication

Procter & Gamble Lima, Ohio
Product Supply Manufacturing Engineer Intern 05/2024 - 08/2024

- Developed RFID/GPS tracking and PowerBi program resulting in 350k+ savings by eliminating time spent on lost trailers
- Implemented vision system to reject deformed pallets improving quality control and major safety improvements
- Automated 3k+ planned maintenance work orders annually in SAP resulting in 100k+ savings annually

Georgia Institute of Technology Atlanta, Georgia
Advanced Crane Laboratory Research Assistant 08/2024 - *Present*

- Validated a video analysis methodology for quantifying crane tip-over dynamics, authoring a first-author, peer-reviewed conference paper on the findings
- Engineered and tested a 3D-printed instrumented scale model of a mobile crane to experimentally validate video-based tracking, achieved a 0.97 R^2 correlation with direction Inertial Measurement Unit (IMU) data
- Refined a 2D dynamic model in MATLAB to accurately predict complex tip-over phenomena

Invention Studio at Georgia Tech Atlanta, Georgia
Prototyping Instructor & Laser Master 05/2023 - *Present*

- Perform maintenance and teach/assist users to prototype on 3d printers, laser cutting, waterjets, CNC, and more