

Cory G. Mazure

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Work Experience

Process Engineer, Golf Ball R&D

Callaway Golf, Carlsbad, CA

(January 2023 - Present)

- Lead engineer behind the experimentation, validation, and implementation of new spray gun equipment in production for 3 paint lines, resulting in a more controllable process and therefore quality product
- Organized DOEs to study differences in mechanical processes between R&D and production, reducing variance in processes, ultimately establishing confidence which accelerated new ball development
- Implemented new test methods to validate chemistry, leading to new proprietary golf ball features
- Utilized injection molding modeling software to modify tooling, improving concentricity and yield

Mechanical Engineering, Vehicle Safety Engineering

Stellantis, Auburn Hills, MI

(Summer of 2019 – Summer 2022)

- Led a design for six sigma project for optimizing the amount of test dummies in use, saving \$250K/year
- Reduced vehicle validation timing by developing test fixtures for high inertia door latch testing
- Analyzed channel data for 80+ test rib deflection study, resulting in global program airbag innovations
- Coordinated JD Power quality study and benchmarking for heated steering wheel (HSW) optimization
- Strengthened best practices for HSW calibration ranges, directly applied within 2 new flagship programs, resulting in enhanced customer satisfaction
- Investigated 2 competing suppliers for hands on detection mats via Minitab statistical analysis, leading to more competitive pricing
- Established statistical analysis of the dummy labs 4 certification machines, reducing certification timing and associated costs by \$20K/year
- Validated 2 energy absorbing knee brackets and a driver airbag, achieving higher safety ratings

Leadership Experience

- Kettering Student Government Operations Council – Director: Planned and executed over 15 events a term, communicating progress of the council weekly to other government sub-sections
- Sigma Chi Distant Leadership Course: Learned practical strategies for remote team communication
- Golf Club – President: Ran weekly meetings with passion, and liaised contracts with local driving range
- Mindfulness Club – President: Facilitated awareness of mental health practices and built a community
- Inter Fraternity Council – Philanthropy Chair: Orchestrated 2 events to improve the image of campus

Skills

- Stellantis Sponsored Courses: Attended 5 in depth training courses for DFMEA, DFSS, and GD&T
- Moldflow injection molding simulation software
- Proficient in NX, Fusion 360, & SolidWorks: CAE and FEA
- Experienced in Minitab statistical analysis software for interpreting DOE results
- Utilized Altair Hyperworks to analyze vehicle crash data
- Avid user of Microsoft Office and Google suite for statistical analysis and project management

Education

Bachelor of Science in Mechanical Engineering

Kettering University Flint, MI

(Oct. 2019 - Dec. 2022)

- Kettering University Honors Program: Completing 2 advanced projects per academic term
- Thesis Project: WorldSID ATD Rib Deflection and Seating Analysis Assessment
- GPA: 3.95/4.00, Summa Cum Laude, Dean's List every academic term