

Objective Applying for Havenwoods BID Board Member position.

Education

University of Texas at San Antonio

Bachelor of Science in Mechanical Engineering, August 2015

- **Concentration** in Mechanical Systems and Design
- **GPA** 3.22/4.00

Experience

Havenwoods Taproom and Beer Garden; Milwaukee, WI

Owner & Operator, June 2023 - Present

- Currently building the taproom and beer garden, estimated to open in April 2024.

Harley-Davidson Motor Company; Wauwatosa, WI

Platform Engineer, Oct 2019 - Present

- Responsible for platform integration of chassis systems to achieve vehicle performance objectives on future Grand American Touring motorcycles, including Police, Trike, and CVO applications.
- Leading teams of engineers through product development to achieve vehicle-level targets like top speed, braking distance, and overall handling performance.
- Performing regular hands-on evaluations of products to guide designs as the Voice-of-Customer.

Fiat Chrysler Automobiles; Auburn Hills, MI

Chassis Suspension Geometry and Tuning Engineer, Oct 2015 – Oct 2019

- Responsible design engineer for Jeep Gladiator tunable suspension components, lead design maturation from initial concepts to full production launch [Aug 2016 – Oct 2019].
- Developed industry-first suspension technology for OE application, including DFMEA and DVPR creation.
- Packaged new components into existing vehicle architecture, meeting clearance and assembly best practices.
- Responsible design engineer for Dodge Charger, Challenger and Chrysler 300 vehicle suspension components [Oct 2015–Aug 2016].
- Evaluated vehicles with Vehicle Dynamics Engineers to support ride and handling tuning.
- Performed preventative and corrective design management on suspension components.
- Established test plans to validate fastener updates for improved corrosion and joint torque retention.
- Developed suspension bushing replacement procedures with cross-functional team to reduce warranty rates and customer cost.

Lockheed Martin; Orlando, FL

Engineering Intern, May 2013 – Dec 2013

- Assisted Quality Engineers on the Arrowhead and M-TADS/PNVS Apache programs.
- Responsible for tracking and preventing manufacturing defects by implementing robust optimization assembly changes to improve production efficiency.
- Organized and presented data for program audits with government customers.

Projects

Society of Automotive Engineers, Student Baja Team at UTSA

- President 2014-2015; Responsible for overall risk mitigation and admin work with the University.
- Frame Lead 2013-2015; Designed, analyzed, and manufactured the multiple vehicle frames.

Skills

Microsoft Office / G Suite
SolidWorks / Creo / NX

MATLAB / LabVIEW / XFMEA
Machining / Welding / Manufacturing