

David Noroozi

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EDUCATION

Purdue University

West Lafayette, IN

BS in Mechanical Engineering (GPA: 3.0)

Graduation Date: May 2027

- Organizations/Awards: Alpha Lambda Delta Honor Society, Phi Eta Sigma National Honor Society, Dean's Honors List, Purdue Electric Racing Vehicle Dynamics Member, Purdue Climbing Club
- Relevant Coursework: Mechanics of Materials, Thermodynamics, Fluid Mechanics, Fundamentals of Speech

WORK EXPERIENCE

Eaton Corporation

Glendale Heights, IL

Field Service Engineer Intern (Full-Time, Paid)

May 2025 - August 2025

- Fulfilled retrofit breaker jobs, drive installation, megger and ductor testing, aiding in 11+ sites, notably Microsoft data centers, USPS, O'Hare International Airport, and Kraft
- Developed a demo switchboard worth \$60,000 in two months to display 13 Eaton safety devices for customers by conducting proficient wiring, startup, testing, and troubleshooting skills
- Utilised AutoCAD Electrical to create extensive wiring diagrams, schematics, and 3-line layouts for future interns
- Compiled field data in Eaton's online database to help improve test data accessibility for jobsite workers
- Completed a two-week Field Service Intern Training in Pittsburgh with 40+ interns

Purdue Electric Racing SAE

West Lafayette, IN

Vehicle Dynamics Subteam Member

January 2025 - Present

- Machined 7 steering column spacers, 6 rocker spacers, and 4 suspension T-Cones for the PER25 competition car, using a manual lathe and mill in the Mechanical Engineering machine shop
- Maintained press-fit and interference fit tolerances on all parts manufactured, ensuring $\pm 0.005"$ on every part
- Created CAD drawings for several suspension parts for competition design review, utilising PER sketching standards
- Designing PER26 front rockers through an entire design cycle (FBD, CAD, FEA, Manufacturing)
- Managing front suspension points by communicating cross-functionally between subteams on weight changes, spatial alterations, and making design modifications based on structural changes

PROJECTS

Barbell Safety Device

- Conducted a three month group design project to eliminate the need for barbell clips by re-structuring the ends of a conventional barbell
- Executed 3 group presentations and reports detailing problem definition, concept generation, and final product
- Delegated work distribution and managed meeting times/locations for weekly check-ins

Portable Pulley Rehabilitation Device

- Constructing a portable hangboard to rehab finger pulley strength post-injury, with a full design process from drawings, CAD models, FEA, and 3D print

1983 Porsche 944 Restoration

- Restoring a Porsche 944 project car by completing preventative tune-up maintenance
- Installing aftermarket shift linkage components (shift lever, short shift mod) to improve performance
- Troubleshooting problems such as absent clutch pressure and rough idle rpm's on startup

SKILLS & INTERESTS

Technical Skills: AutoCAD Electrical | Siemens NX | SolidWorks | ANSYS | MATLAB | Microsoft Office

Interests: Motorsport/Formula One, Project Cars, Bouldering, 3D Printing

LEADERSHIP EXPERIENCE

Scouting America

Naperville, IL

Eagle Scout

October 2021

- Led teams of scouts in an Eagle Scout project, planning dates, supplies, outreach, and coordination with Rush Copley Medical Center
- Coordinated 3 construction days for 6+ scouts to aid in sanding, drilling, painting, and final assembly
- Volunteered at organizations such as FMSC/Loaves and Fishes to aid community and bond with fellow scouts