

Brayden Popica

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2025

Major: Petroleum Engineering, BS

Minor: Sustainable Energy

Certification: Specialist in PRISM Energy Analytics & Benchmarking

GPA: 3.37

EXPERIENCE

Grounds Specialist, Greentech ES, Fort Knox, KY

June 2024 - August 2024

- Specialized in the installation of lighting systems for the Fort Knox project, ensuring all fixtures met design specifications and safety standards.
- Collaborated with a team of electricians to install, maintain, and repair electrical systems, with a focus on lighting fixtures, switches, and controls.
- Played a key role in managing tools, materials, and equipment, contributing to the efficiency and safety of the work site.
- Adhered strictly to safety protocols and regulations, maintaining a secure and compliant work environment throughout the project.

Student Researcher, Song Lab, Austin, TX

February, 2022 – May 2024

- Shadowed and learned from a mentor, gaining hands-on experience in operating electron microscopes for the study of critical mineral resources.
- Developed and delivered presentations on research papers focused on the investigation of hydrogen fuel storage technologies.
- Contributed to the design of a one-way pump system model.

Member, Longhorn Racing Electric, Austin, TX

September 2021 - October 2021

- Designed battery supports for the powertrain system
- Assisted in the repair and diagnosis of the drive team test car
- Collaborated with team leaders to determine the optimal gear ratio for our team's vehicle.
- Utilized SolidWorks to create 3D models and simulations, gaining hands-on experience in computer-aided design (CAD) within an engineering context.

LEADERSHIP EXPERIENCE AND ACTIVITIES

Active Member, Society of Petroleum Engineers

Fall 2021 – Present

Active Member, American Association of Drilling Engineers

Fall 2021 – Present

Active Member, Pi Epsilon Tau Petroleum Honor society

Spring 2022 - Present

Skills

Computer Proficiency: Microsoft related applications

Soft Skills: Strong work ethic and exceptional communication skills

Interests: Golf, Fishing, Skiing, and Cooking