

Education	Purdue University - Main Campus, West Lafayette, IN (Aug 2024 - May 2028) <ul style="list-style-type: none">Bachelor of Science in Mechanical Engineering GPA: 3.88Minors: Computer Science; Theater Design & Production
Skills	CAD: SolidWorks, Siemens NX, OnShape, Autodesk Inventor, Autodesk Fusion 360, GD&T Programming: Python, Java, C, C++, NI LabVIEW, MATLAB, Web Development, PLC Project Management: Git, Teams, Slack, Trello, Microsoft Office, Lean Principles
Relevant Coursework	Engineering: Statics, Dynamics, Graphical Communication, Manufacturing for Design Programming: Object-Oriented Programming, Programming in C, Data Science Robotics: Electrical Engineering Fundamentals, Control Systems for the Stage
Leadership Experience	Purdue Lunabotics West Lafayette, IN <i>Software Co-Lead</i> (Aug 2024 - Present) <ul style="list-style-type: none">Developed a lunar rover that could traverse an obstacle zone, excavate regolith, and deposit in a precise location autonomously, winning 1st place in autonomy in the 2025 competition.Provide feedback and input to mechanical design teams during design reviews.Implemented and optimized multi-sensor localization and object detection.Fused the output of three different obstacle detection methods, including AI-based approaches, to ensure that no obstacles are missed.Mentored 40+ team members to build industry-level skills in robotics. Live Events and Productions at Purdue West Lafayette, IN <i>External Events Committee Co-Chair</i> (Jan 2025 - Present) <ul style="list-style-type: none">Plan concerts that give 50+ students hands-on experience with audio, lighting, and video.Work with 20+ bands, DJs, and photographers to showcase exciting artists in concert.Coordinated logistics for six large-scale events, leading to an attendance increase of 50%.Collaborate with three student orgs to bring bigger artists and more bands to our stages. Regal Eagles Robotics, FIRST Robotics Competition Team #2869 Bethpage, NY <i>VP of Engineering and Programming</i> (Sept 2020 - June 2024) <ul style="list-style-type: none">Guided 40+ students in engineering concepts and developed processes for consistent output.Promoted STEM education through showcasing robots at key events, including STEM Nights and Long Island Maker Faire, and volunteering for over 1,000 combined hours.
Professional Experience	Pacific Gas & Electric Company Oakland, CA <i>Gas Engineering Rotational Development Program Intern</i> (June - Aug 2025) <ul style="list-style-type: none">Perform root cause analysis on corrosion within 20 natural gas transmission pipelines by utilizing historical data, surveys, project installations, and excavation reports.Geolocate historical data sources from 1960 to 2010 for easier analysis.Surveyed abnormally problematic areas to determine if systematic issues are present.Utilize Lean operating principles to ensure efficiency and reduce waste for the customers. Hall of Music Productions, Purdue University West Lafayette, IN <i>Event Technician</i> (Sept 2024 - Present) <ul style="list-style-type: none">Ensure a high-quality event experience through skilled audio, lighting, and video setup and performances for guest lectures, meetings with foreign dignitaries, athletic events, and more.Guide thousands of guests at events such as Broadway tours, concerts, and commencements.
Awards	<ul style="list-style-type: none">CohereNT II-VI Scholarship (2025)Gold, President’s Volunteer Service Award, Games for Seva. (2021-2024)National Merit Scholar, National Merit Scholarship. (2023)Top 300 Scholar, Regeneron Science Talent Search, Science Research. (2024)
Certifications	<ul style="list-style-type: none">Red Cross - Lifeguarding with CPR/AED for Professional Rescuers and First Aid (2024)SolidEdge Mechanical Associate (2023)