

Education	Purdue University, West Lafayette, IN (Aug 2024 - May 2027) <ul style="list-style-type: none">BSME in Mechanical Engineering - GPA: 3.82Minors in Computer Science and Theater Design and Production
Skills	CAD: SolidWorks, Siemens NX, OnShape, Autodesk Inventor, Reading Drawings, GD&T Programming: Python, Java, C++, NI LabView, MatLab, Web Dev, OOP, Scripting Project Management: Git, Teams, Slack, Trello, Microsoft Office, Lean
Leadership Experience	Software Lead, Purdue Lunabotics (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 2025 competition.Implemented and optimized multi-camera visual localization and object detection.Updated codebase and hardware to avoid end-of-life software and increase performance.Utilize a variety of techniques and technologies to ensure all members are ready for industry. Board Member, Games For Seva (Sept 2020 - Present) <ul style="list-style-type: none">Led development of a virtual escape room, raising \$1,000 for Sai Aashirwad Hospital.Designed, playtested, published an original game and promoted it to 200+ players. VP of Engineering and Programming, Regal Eagles Robotics (Sept 2020 - June 2024) <ul style="list-style-type: none">Guided 40+ students through engineering concepts, and developed processes for more consistent output.Promoted STEM education through showcasing robot at key events including STEM Nights and Long Island Maker Faire, and volunteering for over 1,000 combined hours.
Professional Experience	Corrosion Engineering Intern, Pacific Gas & Electric Company (June - Aug 2025) <ul style="list-style-type: none">Determine the root causes behind high corrosion areas on natural gas transmission pipelines using sources including historical data, surveys, project installations, and excavation reports.Geolocate historical data sources from 1960-2010 for easier analysis.Surveyed gas distribution systems to determine root causes of abnormally high leak rates.Utilize Lean operating principles to ensure efficiency and reduce waste for the customers. Stage Hand, Elliot Hall of Music, Purdue University (Sept 2024 - Present) <ul style="list-style-type: none">Ensure the best possible customer experience at shows, presentations, meetings, and more.Usher guests at popular events including Broadway shows, concerts, and commencements. IT Student Assistant, Bethpage Union Free School District (June 2021 - Aug 2024) <ul style="list-style-type: none">Supported IT Department in preparation for upcoming school year.Managed cleaning and reissuing of 500+ Chromebooks for incoming students.
Projects	Disconnectable Steering Wheel, Creating Accessible Racing, Purdue EPICS (2024) <ul style="list-style-type: none">Designed and Created a Safety Killswitch to allow reserve driver to ergonomically disable child driver's control, while ensuring that the design can be installed quickly.Iterated on material choices for the magnetic surface of the wheel based on corrosion testing. Wireless Sensor to Reduce Water Consumption (2023 - 2024) <ul style="list-style-type: none">Developed a wireless communication array of sensors and base stations that can automatically detect, transmit, and act on the water content of the soil in farms.
Awards	<ul style="list-style-type: none">Gold, President's Volunteer Service Award, Games for Seva. (2021, 2022, 2023, 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)