AJ Evans

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Robotics Engineer — Full-stack Developer

Experience:

Olin Electric Motorsports   January - October 2022
General Mechanical and Cockpit Subteams
- Fabricated a shroud for the steering column and front differential of an electric vehicle created using sheet metal bending and cutting.
- Integrated and mounted various vehicle subsystems onto the vehicle's chassis using a variety of hand tools.
- Researched adhesives including bond effectiveness across an array of materials, cost, and accessibility.
- Created a latching mechanism for a custom low voltage enclosure using epoxy resin.

Uncertainty Research   June 2022 - Present
Context-Engaged Engineering Data Analysis
- Engaged professionals in the engineering field in interviews to observe statistical approach to variability in data.
- Used Charmaz's grounded theory approach to categorize trends within participant responses.

General Assembly   September 2020 - January 2021
Software Engineering Immersive
- Created an online marketplace prototype with React and an Express.js API to allow users to buy and sell their books.
- Made a real-time chatroom utilizing Sockets.io and React to allow users to connect and discuss from wherever they are.
- Produced an application that uses jQuery and Express.js to guide users through the process of creating a Dungeons and Dragons Character.
- Created a tic-tac-toe single page application with user sign-in and authentication created with JS, a clickable game board with SASS that communicated with an API via jQuery.

Skills:

Languages: Javascript, Python, MATLAB, Arduino, HTML, CSS
Frameworks: React, Git, Github, Express, Node.js, jQuery, MongoDB, Mongoose, Django
Design: Solidworks, 3D printer
Fabrication: Power saws, Sanders, Drill press, Milling machine, Laser cutter

Education:

Olin College of Engineering   Needham, MA
Bachelor of Science: Robotics Engineering   May 2025
Horace Greeley High School   Chappaqua, NY
High School Diploma, Magna Cum Laude   June 2020