

Noah Ludwig

ludwig.251@buckeyemail.osu.edu | 1184 Township Road 1153, Ashland, OH 44805 | 567-215-0040

Education:

The Ohio State University, Columbus, Ohio

B.S. Aerospace Engineering, May 2023 STEM EE Scholar

OSU GPA: 3.89

High School GPA (4.0 scale): 4.0 (Ashland High School, Ashland, OH)

Qualifications:

- Coding Languages: MATLAB, Python
- Software: SolidWorks, Microsoft Excel
- Power tool experience: Impact drivers/drills, belt sanders, table and miter saws.
- Soldering experience (Electrical Circuits and Plumbing)
- Current Coursework: Calculus 3, Physics 2 (E&M), Engineering Graphics & Design
- Past Coursework: Engineering Calc 2 & 3, Physics 1 (Newtonian Forces), Fundamentals of Engineering
- Analytical: Strong leadership skills and background in leadership and teamwork extracurriculars, Technical writing and research paper skills.

Work Experience:

Line Cook, Taco Bell Corporation, Ashland, Ohio

August 2018 - August 2019

- Worked on team for food preparation, trained new team members

Free Lance Home Construction, Ashland, Ohio

- Home Repairs and Maintenance, repaired electrical and plumbing problems, constructed decks and sided houses.

May 2017 - August 2018

Honors and Activities:

- Member of Buckeye Space Launch Initiative (BSLI) at Ohio State September 2019 - Present
- Served as an Ohio State Welcome Leader (OWL) and assisted families and students move in
- Volunteer for Replay for Kids, rewiring electric toys so that kids with physical or mental handicaps can still play with them. May 2018 and May 2019
- Graduated High School Math Scholar Award Recipient and Valedictorian with Honors
- Franklin B. Walter All-Scholastic Award Recipient (Ohio award by county based on Merit)
- Leadership and Teamwork Experience: Attended Buckeye Boy's State as County Engineer, Hugh O'Brian Youth Leadership Seminar, Senior HS Football Leader, NASA's Space Academy.

Projects:

Fundamentals of Engineering SDP Project, The Ohio State University:

- Team project using MATLAB to program simple games of our choice.
- Responsible for programming in MATLAB, commenting, and documenting Connect Four.
- Received an A on project as a team.
- Learned fundamentals of programming, Loops, Statements, and Functions.

Fundamentals of Engineering Design Project, The Ohio State University:

- Team project using arduino and SolidWorks to design, build, and test a vehicle with constraints to model a real world problem (charging electric vehicles).
- Responsible for designing parts and vehicle assembly in SolidWorks.
- Learned fundamentals of arduino and assemblies in SolidWorks.

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