

Noah Kincheloe | NAU Mechanical Engineering Major

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Academic Experience:

- **Mechanical Engineering** major, with current GPA: **4.0**
- Graduation Date: **April 2021**

Work Experience:

Peak Performance (NAU) *(Feb 2018 - Aug 2018)*

- Online math tutor
- Improved math placement test scores of incoming NAU freshmen
- Advised said students about NAU, and various important resources available to them

NASC Tutor (NAU) *(Aug 2018 - Dec 2018)*

- In-person math (algebra through calculus 2) and physics tutor at the NAU North Academic Success Center
- Tutored up to four tutees daily for 45 minutes each in a given topic

Grader (NAU) *(Jan 2019 -May 2019)*

- Graded assignments for two sections of ME 240 Material Science classes
- Provided assistance to students with questions on homework
- Assisted in proctoring and grading exams

MSE Support Co-op (NASA JPL) *(Jan 2020 -June 2020)*

- Provided direct support to lead Mechanical Systems Engineer on Europa Clipper Project
- Worked with Guidance and Navigation Control to update Pointing, Positioning, and Phasing document to reflect current design and configuration of pointed elements on the spacecraft
- Placed and documented placement of thermocouples within primary CAD assembly for all JPL-owned thermocouples

Skills:

- Experienced with Microsoft Excel, Solidworks CAD, MATLAB, Adobe Dreamweaver
- Familiar with the use of NX CAD, ANSYS Fluent, ANSYS SpaceClaim
- Trained in the use of vertical mills and MIG welding equipment

Community Service:

Chemistry Club Service Project *(Oct-Dec 2016)*

- Raised funds for toys, food, and monetary donations to local non-profit crisis nursery (Casa de los Niños) via selling bottled water and plots in school community garden

Projects:

Trash Retrieval Device

- As part of engineering design class, worked with a team to create a trash retrieval device
- Created a wire-guided vehicle from scavenged motors, sheet metal, and other parts
- Tested vehicle in a time-sensitive competition environment

Home Shop Projects

- Worked on a variety of projects of varying complexity in home shop, making extensive use of drill press, hydraulic press, tablesaw, and other power tools