

# Ben Marriner

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## Education

**The Pennsylvania State University, The Behrend College, Erie, PA**      Graduation 05/21  
Bachelor of Science in Mechanical Engineering Technology

## Projects and Technical Skills

- Senior design project, analyze and redesign a vibratory tray with an increased stroke length.
- Semester spent developing and designing high torque low speed gearbox for a household drill.
- Familiarity with machine shops and machining processes. Exposure to lathes, mills, CNC machines, plasma cutters, welding techniques.
- Design, sketched, and fully modeled through a CAD program a custom rocking chair.
- Developed my public speaking, communication, and presentation skills through various presentations and speeches.
- Worked extensively with Creo and other 3-D modeling software, ANSYS APDL and Workbench and other FEA software, Mathcad, MatLab, Excel, Powerpoint

## Leadership and Involvement

- |  |                     |
|--|---------------------|
| <b>Eagle Scout</b>   | <b>2017</b>         |
| <ul style="list-style-type: none"><li>• Multiple service projects and volunteer work</li><li>• <u>Eagle Scout Project</u><ul style="list-style-type: none"><li>○ Designed and developed custom park benches</li><li>○ Improved and added to a trail system</li></ul></li></ul> |                     |
| <b>Vice President of Behrend Hockey Club</b>   | <b>2019-Present</b> |
| <ul style="list-style-type: none"><li>• Team member since 2017</li><li>• Team Leader as of 2019</li></ul>  |                     |
| <b>Volunteer FireFighter</b>   | <b>2015-Present</b> |
| <ul style="list-style-type: none"><li>• Worked very closely with others in intense environment</li><li>• Operate various tools</li><li>• Various Trainings</li></ul>   |                     |
| <b>Captain of Various Hockey teams</b>   | <b>2013-Present</b> |
| <ul style="list-style-type: none"><li>• Motivate team members, and be a leader on and off the ice</li></ul>  |                     |

## Work Experience

- |  |                     |
|--|---------------------|
| <b>Personal Landscape Company</b>  | <b>2017-Present</b> |
| <ul style="list-style-type: none"><li>• Operate personal landscape company</li></ul>       |                     |
| <b>Landscape Crew Member</b>   | <b>2013-2020</b>    |
| <ul style="list-style-type: none"><li>• Laborer</li></ul>                                  |                     |
| <b>Express Technician for Subaru</b>   | <b>2015-2016</b>    |
| <ul style="list-style-type: none"><li>• Change oil, tires, perform minor repairs</li></ul> |                     |

- Work closely with full-time mechanics

**Farm Hand**

- Work with farmers and market

**2013-2015**