

Jonathan Bowman, EI

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EDUCATION:

Ohio University, Athens, Ohio | August 2015 – May 2021

Bachelor of Science in Mechanical Engineering (BSME) | Minor in Mathematics

Overall GPA (4.0 Scale): 3.4 | Major GPA (4.0 Scale): 3.5 | Dean's List: Spring 2019 – Fall 2020

CERTIFICATIONS:

Certified SOLIDWORKS Associate (CSWA) | August 2020 – Present

Engineer Intern (EI) Certified, License Number: EI.13429, Engineers & Surveyors Board of Ohio | July 2021 – Present

PROJECTS:

Senior Capstone Project – JetCat Engine Thrust Vectoring and Anti-Wind Milling Mechanism | August 2019 – May 2020

Worked directly with the United States Air Force, Ohio University advisors, and a group of senior mechanical engineering students to develop a product that both prevents windmilling of a hobbyist jet engine and provides a thrust vectoring component to guide propulsion. The project evolved from its initial design concepts to its final manufacturing plans, utilizing key engineering processes such as a failure mode and effects analysis (FMEA), benchmark testing and product prototyping. This comprehensive project required understanding in thermodynamics, machine design, mechanics of materials, manufacturing processes, experimental design, and mechatronics.

ORGANIZATIONS:

Pi Tau Sigma (Mechanical Engineering Honor Society) | August 2020 – Present

WORK EXPERIENCE:

Ohio University, Athens, OH | August 2018 – June 2021 | Part-Time (28 hrs/week)

Gallery Guard, Kennedy Museum of Art

- Performed in a multi-tasking environment ensuring the best guest experience, including performing sales tasks, facilitating weekly community and university events, and providing information on the current exhibitions
- In charge of implementing COVID-19 protocols given by Ohio University, such as keeping a detailed record of visiting guests and regular sanitization duties

Ohio University, Athens, OH | August 2018 – May 2020 | Part-Time (25 hrs/week)

Student Operations Supervisor, Parking & Transportation Services

- Effectively communicated with customers daily using email and phone correspondence
- Exercised problem-solving skills to provide the best service and products possible
- Developed daily data analyzation methods and report building to assist in merchandise development and technology implementation

Subway, Albany, OH | August 2017 – October 2018 | Part-Time (35 hrs/week)

Assistant Manager

- Managed all store operations, including task setting, training, and scheduling of ten employees
- Completed detailed daily cash reconciliation, a weekly inventory, and supply ordering
- Maintained a presence at the forefront of customer service, ensuring the best experience for all customers

QUALIFICATIONS:

- Proficient in AutoCAD, MATLAB, Simulink, EES, C++ Programming, SolidWorks, and Microsoft Office applications
- Served in many leadership roles including both those in professional and academic settings
- Experience includes extensive use of comprehensive problem-solving and interpersonal communication skills
- Maintained a commitment to leading with integrity, an open mind, and a high attention to detail