Michael Ollert

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An ambitious student studying aerospace and mechanical engineering at University at Buffalo. A determined problem-solver with experience working in teams seeking an intern position to learn and apply my knowledge and skills to excel the company's performance.

Education:

University at Buffalo, The State University of New York — Deans List: Fall 2019-Present
Expected Graduation: December 2023
Bachelor of Science, Aerospace Engineering — **GPA: 3.9/4.0**
Bachelor of Science, Mechanical Engineering — **Member of Tau Beta Pi**

Experience:

Moog — Spring & Summer 2022
Additive Manufacturing Engineering Intern — East Aurora, NY

- Worked with AI image recognition to locate defects in additive manufactured parts
- Labeled defects for the AI database using MATLAB
- Created a tool for Manufacturing Engineers to efficiently see the effects of a geometry, process, or material change for a given part or work center
- Created a searchable database of ~4500 part drawing notes
- Used Microsoft Azure's OCR to read the drawing notes

University at Buffalo — Fall 2022
Undergraduate Teaching Assistant — Buffalo, NY

- UGTA for MAE 315, Analysis of Structures
- Facilitated student activities during lecture
- Guided students during office hours weekly

Project Experience:

Renewable Energy Program, University at Buffalo, NY — Fall 2019

- Worked with a team to determine optimal renewable energy options to reduce CO_2 emissions for the University at Buffalo and Buffalo residences
- Developed conceptual models, decision matrices, and quantitative models to analyze and compare energy options
- Delivered an engineering report based on collected comprehensive data to reduce carbon emissions for University at Buffalo and Buffalo residences

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Skills:

MATLAB, SolidWorks, Siemens Teamcenter, Microsoft Office

Relevant Coursework:

Flight Dynamics, Aerodynamics, Gas Dynamics, Heat Transfer, Dynamic Systems, Aerospace Structures, Fluid Mechanics, Engineering Impact on Society, Engineering Principles