

Matthew Sciota

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Education

Bachelor of Science in Mechanical Engineering GPA: 3.68

May 2021

University of Florida, Gainesville, Florida

Minor: Business Administration

Work Experience

Process Improvement Intern

June 2020-August 2020

Maverick Boat Group, Fort Pierce, Florida

- Created Build Books and conducted Time Studies to document the standard work of the current processes which could then be analyzed for maximum efficiency.
- Implemented 5S strategies to optimize organization in the workstations which led to improvements in workplace efficiency as well as a decrease in safety issues.

Boat Manufacturer

June 2019-August 2019

Maverick Boat Group, Fort Pierce, Florida

- Built various components for assembly into boats including doors and rod racks. Utilized numerous workshop skills including sanding, polishing, drilling, and assembly.
- Operated 3 and 5 axis CNC routers to create sub floors and other internals of the boat.

Manufacturing Engineer Intern

June 2018-August 2018

CV Tool, Southington, Connecticut

- Constructed various parts to be assembled into Pratt and Whitney aircraft and General Electric turbines.
- Used technical drawings to inspect parts to ensure parts met dimensional tolerances as part of the quality control department.

Academic Experience

Fluid Dynamics Teachers Assistant

August 2020-Present

Mechanical and Aerospace Department, Gainesville, Florida

- Held office hours each week to assist students with general concepts as well as homework help.
- Proctored and graded exams to help the professor manage a large number of students.

Human Powered Vehicle Design Team Captain

January 2018-Present

Mechanical and Aerospace Department, Gainesville, Florida

- Led fellow students to design and manufacture a steel framed recumbent bike with a carbon fiber faring.
- Incorporated and taught peers CAD modeling as well as manufacturing techniques such as TIG welding.
- Placed 8th out of over 50 schools around the country in competition in back to back years.

Peer Advisor

January 2019-Present

Mechanical and Aerospace Department, Gainesville, Florida

- Aided students in forming their academic plan for their collegiate career.
- Helped students with both personal and academic issues to create a better experience for the student.
- Underwent Kognito training and got certified to spot and aid students exhibiting mental health issues.

Skills and Achievements

- Machining
 - Trained on manual and CNC mills, lathes, MIG and TIG welding, and 3 and 5 axis routers.
- CAD Modeling
 - Certified in Solidworks and knowledgeable in AutoDesk Inventor.
- Programming
 - Worked extensively in Matlab with multiple projects and courses completed.
- Startup Company
 - Created a startup company to design a microbioreactor for a research group at the University of Florida.