

Student Name

Melbourne, FL | (555) 555-5555 | email@fit.edu | [LinkedIn Profile](#)

Education

Bachelor of Science in Mechanical Engineering, GPA 3.6
Florida Institute of Technology | Melbourne, Florida

May 2023

Skills

AutoCAD | MATLAB | Autodesk Inventor | Arduino UNO | XPC Target | 3D Printing
Soldering | Troubleshooting | Parts Analysis | Teamwork | Critical Thinking

Internship Experience

Mechanical Engineering Intern | Mission Startups | Davenport, IA

May 2021 – Aug 2021

- Collaborated with Additive Manufacturing for prototyping and small scale production
- Designed and created molds used for small scale injection molding
- Generated and manufactured CAD models using Autodesk Inventor

Projects

Mechatronics | Florida Institute of Technology | Melbourne, FL

Jan 2022 – Present

- Integrate LCD touch screen to precisely control motor position using an Arduino Uno and Arduino code
- Solder pins onto motor driver board for use on a bread board
- Gather motor position and acceleration data with XPC Target to generate system identification model
- Utilize timer interrupts to gather data from a 3-axis magnetic position sensor

Design for Manufacturing and Assembly | Florida Institute of Technology | Melbourne, FL

Sept 2021 – Dec 2021

- Performed detailed manufacturing and assembly analysis of a door knob
- Reduced total number of parts and assembly time by 15% through part analysis

3D Printed Gas Electron Multiplier | Florida Institute of Technology | Melbourne, FL

Jan 2021 – May 2021

- Collaborated with four other students for semester-long team project
- Utilized 3D printing to manufacture a charged particle detector decreasing cost and production time
- Designed and manufactured the first 3D printed charged particle detector to decrease cost and production time

Scholarships and Recognition

Student Employee of the Year Nominee | Florida Institute of Technology | Melbourne, FL

Spring 2022

- Nominated by internship employer for annual campus-wide Student Employment Awards ceremony

Florida Academic Scholarship

Fall 2020, Spring 2022

Panther Academic Scholar

Fall 2020 – Present

Extracurricular

National Society of Black Engineers (NSBE)

Fall 2021 – Present

Florida Tech Archery Club

Spring 2020 – Present