

# Student Name

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

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## Education

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

May 20XX

## Skills

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

## Related Experience

**Mechatronics Lab** | Florida Tech | Melbourne, FL

Aug 2023 – 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

**Mechanical Engineering Intern** | Mission Startups | Davenport, IA

May 2023 – Aug 2023

- 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

**Design for Manufacturing and Assembly** | Florida Tech | Melbourne, FL

Sept 2022 – Dec 2022

- 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 Project** | Florida Tech | Melbourne, FL

Jan 2022 – May 2022

- 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

## Work Experience

**Recreation Assistant** | Florida Tech | Melbourne, FL

Aug 2022 – Present

- Ensure safety policies were followed during intramural athletes games
- Oversee equipment set up and usage in the campus gymnasium

**Farm Assistant** | Rolling Hills Ranch | Davenport, IA

Oct 2021 – Jan 2022

- Utilized heavy machinery, including Tractor and Baylor with no incidents
- Contributed to efficiency of crop harvesting by meeting scheduled deadlines

## Honors & Activities

American Society of Mechanical Engineers (ASME) – Student Chapter Secretary  
National Society of Black Engineers (NSBE)  
Student Employee of the Year Nominee | Florida Institute of Technology  
Florida Tech Archery Club