



# JOSEPH SILVERMAN

STUDENT & 3D-PRINTER

## CONTACT

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## EDUCATION

### Jackson Memorial High School

Degree : General Education  
Graduation Year : 2022

### Florida Institute of Technology

Degree : Bachelor of Science in Aerospace Engineering  
Minor(s) : Nano-Technology & Nano-Science  
Graduation Year : 2026

## WORK EXPERIENCE

### AGMAN - 3D Printing & Prototyping : August 2022 - Present

Owner (Self Employed) : Using computer-aided design (CAD) software, detailed & precise 3D models of the intended product are printed. This involves designing the shape, structure, and intricate details. Use of models to create physical prototypes through 3D printing to evaluate design to make necessary adjustments & ensure the product meets the desired specifications.

### Shore Lanes Palm Bay : March 2022 - November 2022

Bowling Alley Attendant : Provided bowling guests with efficient & courteous customer service. Managed the scheduling of lanes & equipment to ensure efficient control of customer flow. Provided bowling shoes & assigned lanes to customers as well as escorted guest to their lane with lane set-up.

## ACHIEVEMENTS

2024

### Panther Peer Mentor Program

A dynamic initiative aimed at fostering a supportive and inclusive campus environment. Through this program, incoming and current students receive personalized guidance from trained peer mentors like myself who help them navigate the complexities of college life, both academically and socially.

2024

### L'SPACE NASA Proposal Writing & Evaluation Experience Academy (NPWEE) Program

A 12 - week academy co-funded with support from the NASA Space Technology Mission Directorate (STMD), is an authentic proposal writing academy led by the NASA Marshall Space Flight Center Chief Technologist and their office to help participants learn to effectively write a concept proposal that turns innovative ideas into reality.

2022 - 2024

### AIAA Panther Rocketry Team - Florida Institute of Technology

Member of the following subsystems: Propulsion & Simulation, Avionics, Recovery, Structures, Payload Structures Sub-Team Lead (2024 Term) - responsible for designing, constructing & launching a successful rocket with a M-class motor which was designed for participation in the FAR-51025 competition in the Mojave Desert.

2022 - Present

### AIAA (American Institute of Aeronautics & Astronautics) - Florida Institute of Technology

Officer As The SGA Representative (2024 Term)

2020 - 2022

### Head of Information Management Program - NJ-782nd AFJROTC Group

Managed the flow of information for over 185 cadets

## PUBLICATIONS

### AIAA Aerospace research central (ARC)

An author presenting a comprehensive analysis of the properties and characteristics of various nanocomposites and polymeric materials in a research paper.

## CERTIFICATIONS

### National Association of Rocketry (NAR)

2024 - LVL 1 - High Power Rocket

