

Elijah Torres 954-670-6270 | elijahwt@gmail.com | Middletown, CT

Summary:

Mechanical Engineer currently working for **Belcan**, with expertise in **CAD modeling**, **FEA**, and prototype development. Proficient in **SolidWorks**, **Autodesk Inventor**, and **ANSYS**, with experience in aerospace and mechanical component design. Earned **EIT certification** by passing the NCEES **FE Mechanical exam**.

Education:

Florida Atlantic University | 3.5 GPA | Bachelor of Science in Mechanical Engineering | 2024

Technical Skills:

- CAD & Design: SolidWorks (**CSWA Certified**), Autodesk Inventor, **GD&T**
- Testing & Analysis: Finite Element Analysis, **MATLAB**, Measuring Equipment (Calipers, Micrometers)
- Manufacturing & Prototyping: Lathe/Mill Machining, **CAM/G-Code** for **CNC Machining**
- Other Skills: Soldering, Wire Cutting, **Project Management**

Projects:

Senior Design | Portable Patient Lift (**Judges' Choice Award 2024**)

- A travel-friendly device designed to assist individuals with reduce mobility.
- Developed CAD models in SolidWorks, performed FEA simulations, and optimized for portability.

Professional Experience:

Belcan

Project Engineer | May 2025 – Currently Employed

- Assisted in **managing engineering projects** in relation to engine programs.
- Led design and analysis teams in daily stand-up meetings to track progress.
- Utilized tools like **Jira**, **Confluence**, **SAP**, **Teamcenter**, and **NX**.
- Tracked engine development risk, team milestones, and task completion levels.

Thrust Tech Accessories

College Internship | June 2021 – Sept 2022

- Created **CAD models** and **GD&T-supported** technical drawings for manufacturer approvals.
- Ensured compliance with **aerospace industry standards** and documentation requirements.
- Designed **custom assembly tools** to improve manufacturing efficiency and reduce production errors.
- Engineered and built a motor test stand, enabling precise performance validation and failure analysis.
- Developed a mobile filtration system for a parts scrubber, improving operational efficiency.

Turner EnviroLogic

Project Manager | July 2024 – Oct 2024

- Assisted in **managing engineering projects**, ensuring compliance with air pollution control regulations.
- Coordinated **procurement and logistics**, maintaining schedules and optimizing supply chain efficiency.
- Communicated with vendors and engineers to streamline **purchasing processes and document control**.

Certifications & Awards:

- SolidWorks Associate Certification (CSWA) – Mechanical Design
- Fundamentals of Engineering (**FE**) **Exam** – Passed
- Senior Design – Judges Choice Award (Spring 2024)
- Dean's List (2021, 2022)

Additional Experience:

- SAE Owl's Racing – General Member (2024)

Portfolio Website



Linkedin

