

Cesar A. Martinez

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SUMMARY OF QUALIFICATIONS

- Bilingual mechanical engineer with problem solving, collaboration skills, and leadership abilities
- Knowledge of system design, FEA, fluid analysis, thermal systems, & level 1 material science
- Actively pursuing post bachelor certification in mechanical engineering.
- Cooperative team player, efficient communicator, and assertive mentor.

EDUCATION

Bachelor of Science in Mechanical Engineering

July 2021

Florida International University (FIU); Miami, FL

- FIU Scholarship recipient award; spring 2019, summer 2019
- GPA: <3.0/4.00 No internships because of pandemic (covid-19)

PROJECTS

Gutter Power

Dec. 2020

- **B.S. Thesis for Mechanical Engineering-** Thesis prepared in partial fulfillment of the requirement for the degree of Bachelor of Science in mechanical engineering. Project called Gutter Power, it was a thermal design system that directly or indirectly power/charge various appliances that a person may need during heavy storms.

LEADERSHIP/SERVICE

Nov 2015- Dec 2018

- **Tutoring.** Tutored over 3 dozen students at Miami Dace College, north campus math center
- **Micro SAE** rc micro plane- With a group of 8 individuals, helped create the first half of a rc plane.
- Worked on design, full detailed CAD, analysis with FEA and CFD with hand calculations. The performance analysis was tested with the specifications given.
- Demonstrated that the design met all system level functional requirements. This approach specified the workmanship needed as it related to mission success, of the airfoil and components of the rc aircraft

WORK EXPERIENCE

Nations CX

Sep 2022- Present

- Bilingual customer service advocate to research complex issues across multiple databases and work with support resources to own the resolution of all customer issues and anticipate their future healthcare needs or potential opportunities to improve the experience.
- Provide concierge and white glove level service, removing burdens and providing end-to-end resolution for customers

Uber X/Eats Driver

Dec 2019- Present

- Pick-up and delivery of food from restaurants through the Uber application.
- Pick-up and delivery of passengers and taking them to their destination through the Uber application

Target Superstore**Oct-2015- Jan 2016**

- Seasonal worker responsible for product placement and restocking products in shelves.
- Cashier- Processed customers purchases and placed them in bags when needed

Painter, and construction worker assistant**May 2002- 2009**

- Painted walls, ceilings, furniture, and doors in residential homes.
- Managed hired painters to complete painting projects.
- Assisted getting supplies for construction workers for remodeling of homes.

SKILLS

Technical: C++ programming language; SolidWorks, Matlab, Ansys, Microsoft Office**Languages:** Fluent in Spanish