

Jon Carlos Restrepo Jr.

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Objective:

Seeking an Internship Mechanical Engineering position where I can use my skills and expertise while obtaining valuable engineering experience.

Education:

University of Connecticut, Storrs, CT

August 2020-present

- B.S. in Mechanical Engineering, Degree Expected May 2024
- Concentration in Aerospace
- GPA: 3.45/4.0

Employment Experience:

The Whiting-Turner Contracting Company, Project management/Field Engineering Intern

Summer 2022

- Field Engineering: Completed Quality Control on ductwork, electrical work, and plumbing as well as managing the above ceiling for trades to meet schedule to completely closeout from the above ceiling
- Project Management: Complete submittals, RFI's (Request for Information forms), and speak to different suppliers on what was needed and should be expected in terms of material coming into the Jobsite

Nguyen Research Group, Research Assistant

August 2022 – Present

- Currently assisting a Ph. D student under the supervision of Dr. Nguyen in the Mechanical Engineering department
- Research of nanotechnology to transform biodegradable and biocompatible materials into certain shapes for diverse applications in vaccine/drug delivery, tissue regenerative engineering and electronic/electrical implants
- Trained post docs in fabrication techniques that were new to the lab

Residential Life at UConn, Residential Assistant

August 2021 – Present

- Provided a range of support services at residential facilities, group homes, and similar settings with permanent, around-the-clock residents.
- Assist with facility operations and maintenance, ensuring a safe, clean, and healthy environment for staff and residents
- Provide administrative support, processing paperwork, coordinating deliveries and supplies, and managing vendors and service providers.

Student Support Services at UConn, Academic Tutor

January 2023-Present

- Assisting students to be academically successful in their collegiate careers
- Preparing students for future Quizzes, Exams, and weekly Homework Assignments

Student Support Services at UConn, Peer Mentor

August 2022 - Present

- Assisting students through the Student Support Services program who are minorities and first generation on their path through higher education with academic and personal relations
- Initiating events for community and connection building

Relative Courses:

- Aerospace Control Systems
- Aerodynamics
- Thermodynamics I & II
- Transportation Engineering & Planning
- Fluid Dynamics II
- General Chemistry 1 & 2
- Calculus (1-4)
- Electrical Engineering Principles
- Fluid Mechanics
- Mechanics of Materials
- Introduction to Computer Science Engineering through Python
- Material Science and Engineering
- Statics and Dynamics
- Basic Structural Analysis

Skills:

- AutoDesk – 3D Modeling
- SolidWorks & Microstation
- CREO Parametric / ProEngineer
- MATLAB / SIMULINK
- Basic Python & SQL Programming knowledge
- Microsoft Office applications

Clubs/Associations:

- UConn Formula SAE
- SHPE (Society of Hispanic Professional Engineers)
- UConn B.A.I.L.E (Latin Dancing)
- Outing Club

Awards:

- McNair Scholar since 2022
- Hispanic Scholarship fund (2020 – 2023)
- Hartford Scholarship Fund (2020 – 2023)
- Residential Assistant of the week

Citizen of the United States of America