

Michael Cosmo Monteleone

Naval Engineer



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📍 11 Jared Lane

📁 PROJECTS

Seaplane

06/2023 – present

Conducted performance evaluations, analyzed data, and implemented design modifications to enhance seaplane efficiency. Proficient in using advanced testing equipment to measure parameters such as lift, drag, and overall performance.

Wave Energy Converter

05/2023 – 06/2023

Contributed to the development, optimization, and performance enhancement of wave energy converters, leveraging my expertise in wave dynamics, fluid mechanics, and renewable energy systems

Autonomous Field Robot

01/2022 – 05/2022

Constructed a field robot and integrated it with Arduino coding, enabling precise autonomous navigation based on predefined coordinates.

📖 COURSES

Intro to Ship Design + Building

Principles of Naval Architecture

Engineering Hydology

Mechanics of Materials

Fluid Mechanics

Thermodynamics

📁 PROFESSIONAL EXPERIENCE

Stevens Institute of Technology, Lab Assistant

05/2023 – present

- Innovated, and tested Wave Energy models
- Tested Seaplane models
- Created and tested various Hull Forms

Johnstone Supply, Commercial Sales / Warehouse Intern

06/2022 – 01/2023 | Kenilworth, United States

- Consistently lifted materials weighing as much as 100 pounds.
- Operated equipment such as pallet jacks, joeys, and pickers.
- Went on site in order to install and start variable-refrigerant flow systems.
- Created variable-refrigerant flow systems in design simulator to provide syllabuses and quotes to customers.
- Created rooftop units in solution navigator to provide syllabuses and quotes to customers

Stevens Insitute of Technology, Academic Tutor

08/2022 – present

- Collaborated with students to complete homework assignments, identify lagging skills, and correct weaknesses.
- Created special handouts, study guides, and enrichment materials to boost student knowledge.
- Planned lessons for the allotted time to strengthen weak subjects and build skills
- Hosted review sessions for the school for differential equations, holding an attendance of approximately 150 undergraduate students

Stevens Institute of Technology, Teacher Assistant

06/2023 – 08/2023

- Teaching students hull form and design.
- Teaching students how to use Rhino software

🎓 EDUCATION

Major: Naval Engineering, Minor: Water Resources,

Stevens Institute of Technology

08/2021 – present | Hoboken, United States

GPA: 3.6 / 4.0

Dean's List (May 2022 - Present)

SNAME Member

CEOE Academic Advisor Board

IFC Vice President of Recruitment

Peer Leader

🧠 SKILLS

- Seaplane Testing + Evaluation
- Wave Dynamics + Fluid Mechanics
- Technical Research + Development
- Construction of Rooftop HVAC Units
- Construction of VRF Systems