

STUDENT NAME

Melbourne, FL

321-555-555 | email@email.com

EDUCATION

Florida Institute of Technology, Melbourne, FL
Bachelor of Science in Ocean Engineering, GPA 3.45

May 20xx

HONORS

Dean's List, all semesters
Women in Engineering Scholarship, 20xx – Present

SKILLS

C++, MATLAB, AutoCAD, SolidWorks, ANSYS, FEMM, compound microscope, technical research writing, chemical and biological laboratory techniques, MS Office, Machine Shop certified

EXPERIENCE

Florida Institute of Technology, Melbourne, FL

Laboratory Assistant

Jan 2022 - Present

- Assist technicians with micro scale synthesis of treatment chemical, analysis of samples prior and after treatment
- Cleaning and collection of samples
- Assist in large scale adaptation of lab work including proof of concept trailer and site

Mott MacDonald, Freebold, NJ

Coastal Engineer Intern

Aug 2021 – Dec 2021

- Collected environmental data for major shoreline restoration project
- Conducted analysis and numerical modeling of waves, storm surge and wave-current-structure interaction
- Prepared materials to present at local government meetings

Indian River Lagoon (IRL) Research Institute, Melbourne, FL

Volunteer

Oct 2020 – Aug 2021

- Conduct outreach to student organizations and campus community to raise awareness of IRL mission
- Represent IRL Research Institute at community events and educate community on how to protect and revitalize Indian River Lagoon

OBG, Milwaukee, WI

Summer Environmental Technician

May 2019 – Aug 2019

- Participated in remediation feasibility study and design, including bench and pilot scale treatability studies
- Assisted in preparation of related reports

SENIOR PROJECT

Florida Institute of Technology

Senior Design Project – Renewable and Sustainable Energy

Aug 2021 - Present

- Research renewable and sustainable methods of utilizing the energy of the ocean
- Design and create a 3D model from SolidWorks to display how the device will harness energy through oscillation of waves via Faradays induction
- Performed static and CFD analysis with ANSYS and executed magnetic analysis in FEMM

EXTRACURRICULAR

Minority Engineering Education Task (MEET)

Aug 2021 - Present

Florida Tech SCUBA Club

Aug 2020 -

Present