

# Jacqueline Cecile Parkinson

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## EDUCATION:

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Florida Atlantic University, Boca Raton, FL

**Master of Science in Ocean Engineering**, May 2019; GPA 3.33

Master's Thesis: Microbial Induced Corrosion in Synthetic, Reinforced Concrete

University of Miami, Coral Gables, FL

**Bachelor of Science in Biology and Marine Science**, May 2017

Minor in Chemistry, Senior Thesis: Peripheral Blood Smears and Complete Blood Counts in the Nurse Shark, *Ginglymostoma cirratum*

Study Abroad, Intercultural Outreach Initiative

Galapagos Islands, Ecuador (September, 2015 – December, 2015)

- Completed research studies in the following areas: physical oceanography, ornithology, horticulture, fish and coral populations, and ethnography
- Taught English at Escuela Municipal Jacinto Gordillo

## RESEARCH EXPERIENCE:

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RobotX-Florida Atlantic University SeaTech, Dania Beach, FL

**Participant**, July 2018 – present

- Formulating acoustic positioning and under water communication solutions for underwater object retrieval
- Attending weekly team meetings for testing and feedback

Florida Atlantic University SeaTech, Dania Beach, FL

**Teacher's Assistant**: Oceanography and Fundamentals of Engineering, January 2018 – present

- Reviewing, preparing, and demonstrating lab materials to undergraduate students
- Holding office hours for any questions students may have
- Preparing the grades for each class

Florida Atlantic University SeaTech, Dania Beach, FL

**Research Assistant**, November 2017 – present

- Preparing carbon fiber composites and reinforced concrete samples for testing
- Running impedance experiments, using the potentiostat and Gamry software
- Organizing and analyzing the data appropriately

Tyndall National Institute, Cork, Ireland

**Intern**, June 2016 – August 2016

- Shadowed several biomedical engineering PhD students and lab technicians, in which I learned about the various facets of the field
- Proposed and worked on a functionalization experiment attaching antibodies to a myriad of substrates to determine which procedure was most efficient
- Compiled and organized all of the risk assessments in the lab to ensure all safety regulations were in place and necessary chemicals were in their correct section

## SKILLS:

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- Lab Equipment: Contact Angle, Potentiostat, Cyclic Voltammetry, Plasma Treatment, MTS
- Software: Microsoft Office, Minitab, Logger-pro, MATLAB, Gamry, FlexTest, C
- Languages: Conversational in Spanish