**MELISSA B. CROUCH**

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# Value Proposition

# Competent individual possessing an interest in research at the School of Earth and Environmental Sciences at Queens College.

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**Skills**

Atmospheric analysis; Water monitoring; Environmental Specialist Certified; Microsoft Office Suite; AWIPS; Linux; Writing; Clerical.

**Education**

**Geology, 3.5 GPA,** Queens College

Flushing, NY August 2019 - Present

**Applied Meteorology**, Embry-Riddle Aeronautical University

Daytona Beach, FL May 2010

**Employment History (Degree Relevant)**

**Volunteer Intern**, National Weather Service Upton, NY 06/09 – 08/09

Assisted graduate level employees with weather related duties such as:

• Analyzing and interpreting NWS computer forecasting models (AWIPS, LINUX), including satellite and radar data.

• Transforming data into written briefs.

• Disseminating forecast information for the general public.

• Making phone calls to various airports for temperature confirmation.

• Performing inspection on and collecting data from rain gauge.

* Performing other related duties as assigned.

**Employment History**

**Receiving Associate/Soft Side & Cashier Associate**, Bed, Bath & Beyond

New Hyde Park, NY 10/17 - Present

Maintaining effectual flow of the company by:

• Carefully unloading shipments from incoming trucks with/without a pallet jack.

• Checking contents to ensure they match orders.

• Inspecting contents to ensure they are not damaged.

• Notifying supervisor of any damages made on items.

• Unpacking, sorting, and placing shipments into its correct spot.

• Assisting supervisor in handing out ship outs to incoming truck, occasionally.

• Assisting customers in locating their needed items and making online orders.

• Ringing up customers at check out.

**Deli Clerk,** Stop & Shop

Port Washington, NY 01/17 – 09/17

**Replenishment Associate**,Michael’s Arts & Crafts

Oceanside, NY 10/14 – 05/15

**Volunteering**

**Water Quality Monitor**, Friends of the Bay

Oyster Bay, NY 06/21 – Present

Monitoring 19 sites in Oyster Bay, Mill Neck Creek, and Cold Spring Harbor by:

* Obtaining water samples at each site for dock captain for fecal coliform and enterococci testing.
* Obtaining variable values using a sonde and….

• Assisting intern in recording values for the following variables:

* water depth, sea temperature, pH, dissolved oxygen, salinity, and turbidity

• Assisting dock captain load and unload boat.

**Citizen Scientist**, Connecticut Fund for the Environment/Save the Sound

Mamaroneck, NY/New Haven, CT 06/16 – 09/16

Advocated with the water quality program manager and other staff in:

• Taking water samples for analysis of pathogen-indicator bacteria contamination.

• Analyzing signs of sewage overflows.

• Maintaining the well-being of the Long Island Sound aquatic ecosystem.

• Taking photos of unhealthy environmental factors, on occasion.