

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.

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.