**Education:**

Ph.D. Atmospheric Sciences

Stony Brook University

Stony Brook, NY 11790

Shepson Group- Atmospheric Chemistry

Expected May 2026

B.S. Environmental Chemistry

Honors Transdisciplinary & Mathematics Minors

Southern Connecticut State University

New Haven, CT 06515

Awarded May 2021

**Experience:**

**SoMAS, Stony Brook University, Stony Brook, NY**

*2022- Graduate Research Assistant-*

**ALAR Flight Campaigns and Data Interpretation:**

*Mission scientist for flight campaigns (full competency with aircraft systems, infrared greenhouse gas analysis, aerosol size distribution analysis, UV ozone analysis, wind and temperature analysis), flight planning, graphing of data via IGOR and MATLAB (interpolation via kriging).*

*2022- Graduate Teaching Assistant-*

**TA for ATM103- Extreme Weather:**

*Grading discussion posts, interacting with students, answering questions regarding the course.*

**Werth Center for Coastal and Marine Studies, Southern Connecticut State University, New Haven, CT**

*2018-2021 Undergraduate Research Assistant*-

**Metal contamination research in Connecticut Harbors’ sediment:**

*Atomic absorption spectrometry, acid digestion, and filtration of sediment, particle size distribution analysis, loss on ignition, direct mercury analysis (thermal decomposition, amalgamation, and atomic absorption analytical chemistry, vacuum freeze-drying.*

*2019-2021* *Undergraduate Researcher*-

**Spatial & temporal patterns in Norwalk Harbor sediment metal contamination:**

*Atomic absorption spectrometry, acid digestion, and filtration of sediment, particle size distribution analysis, loss on ignition, direct mercury analysis (thermal decomposition, amalgamation, and atomic absorption), analytical chemistry, vacuum freeze-drying.*

*2018-2019* *Aquarist*-

**Co-managed aquatic exhibits with multiple undergraduate colleagues:**

*Feeding aquatic marine life, routine water quality measurements, tank maintenance, organization of marine and tank equipment.*

**Professional Affiliations:**

* Graduate Research Assistant, *2022-*
* Graduate Teaching Assistant, *2022-*
  + Extreme Weather
* Founding Member & Secretary: National Chemistry Honor Society Gamma Sigma Epsilon Tau Theta Chapter, *2019-2021*
* Academic Specialist: Chemistry Tutor, *2019-2021*
  + General Chemistry I & II, Analytical Chemistry, Organic Chemistry I & II, The Preparation of Scientific Documents for Chemistry, Physical Chemistry I & Lab, Chemical Hazards and Laboratory Safety
* Undergraduate Research Assistant, *2018-2021*

**Awards:**

* Departmental Honors in Environment, Geography, and Marine Sciences, *2021*
* American Chemical Society Undergraduate Physical Chemistry Award, *2021*
* University Honors: *Magna Cum Laude, 2021*
* 2019 Undergraduate Research Grant (Examination of Sediment Quality for the Walk Bridge Construction in Norwalk Harbor) *($3,000)*
* 2020 Undergraduate Research Grant (Spatial and Temporal Patterns in Norwalk Harbor Sediment Metal Contamination) *($3,000)*

**Papers/Posters/Presentations:**

Renée P. Chabot. **Spatial and Temporal Patterns in the Norwalk**

**harbor sediment metal contamination.** Undergraduate Thesis, Southern Connecticut State University, New Haven, CT, 2021.

Renée P. Chabot and Dr. Vincent Breslin. **Examination of Sediment Quality for the Walk Bridge Construction in Norwalk Harbor.** *October 2019, New Haven, CT.*

Renée P. Chabot, Cassandra Bhageloo, and Mallory Breban. **Long-term Water Quality Monitoring at Long Wharf, New Haven (2012-2019).** *April 2019, Norwich, CT & May 2019, New Haven, CT.*