CLAIRE ELISE ELBON

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Education

August 2020-Present **Ph.D. Student of Ocean Sciences and Engineering**
Georgia Institute of Technology
School of Earth and Atmospheric Sciences

August 2017-May 2020 **B.S. Honors Microbiology**
Summa Cum Laude
University of Tennessee
College of Arts and Sciences

Research Experience

August 2020-Present **Graduate Researcher**
Georgia Institute of Technology
Dr. Jen Glass (PI)

August 2018-May 2020 **Primary Undergraduate Researcher**
University of Tennessee, Knoxville
Dr. Alison Buchan (PI)

- Data collection, processing, and maintenance for Tennessee aquarium metagenome characterization project
- Independent research for undergraduate honors thesis on utilization of anammox bacteria as a catalyst for denitrification in large-scale, commercial aquaria

July 2019-August 2019 **Student Researcher**: Introduction to Field Oceanography
Dalhousie University

- Study abroad research-based introduction to field oceanography

October 2017-May 2018 **Undergraduate Research Assistant**
University of Tennessee, Knoxville
Dr. Michael Blum (PI)

- Research project set-up
- Data collection and recording of results
- Maintenance of plants used in study
- Study of brackish marsh plants and the effects of climate change

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Teaching Experience

August 2020 **Graduate Teaching Assistant**
Environmental Geochemistry
EAS 4220/6330
Georgia Institute of Technology
Dr. Yuanzhi Tang

August 2015- May 2017 **Program Assistant**
Warner Parks Nature Center Nature Programs
Heather Gallagher (Head of program)

August 2015- May 2017 **Teaching Assistant**
Metro public schools AP Environmental Science naturalist-led lab programs at Edwin Warner Parks
Heather Gallagher (Head of program)

Publications

(In PREP) Elbon, C.E. G.R. LeCleir, M.J. Tuttle, S.K. Jurgensen, T.G. Demas, CJ. Keller, T. Stewart, and A. Buchan. Microbiomes and Planctomycete diversity in large-scale aquaria habitats

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Posters and Presentations

March 2020 Southeastern Biogeochemistry Symposium
Georgia Institute of Technology

- Presented undergraduate research: *Planctomycete Diversity and the Potential for Anammox in Tennessee Aquarium Exhibits*

May 2019	Microbiology Awards Day Ceremony University of Tennessee, Knoxville • Presented undergraduate research: *Microbe Hunters: Searching for Anammox Bacteria in the Tennessee Aquarium*
May 2019	Exhibition of Undergraduate Research and Creative Achievement (EURēCA) University of Tennessee, Knoxville • Presented undergraduate research: *Microbe Hunters: Searching for Anammox Bacteria in the Tennessee Aquarium*
May 2018	Exhibition of Undergraduate Research and Creative Achievement (EURēCA) University of Tennessee, Knoxville • Presented research for honors English class: *Bridging the Chasm: Undergraduate Education and Graduate Research*

Academic Honors and Awards

August 2020	President's Fellowship Georgia Institute of Technology Graduate Studies • Ph.D. award offered to top 10% of applicant pool
May 2020	Distinction in Undergraduate Research University of Tennessee, Knoxville Office of Undergraduate Research
May 2020	Excellence in Undergraduate Research University of Tennessee, Knoxville Office of Undergraduate Research
March 2020	Second Place Best Talk

	Southeastern Biogeochemistry Symposium Georgia Institute of Technology • Talk title: *Planctomycete Diversity and the Potential for Anammox in Tennessee Aquarium Exhibits*
May 2019	Jeff and Nancy Becker Undergraduate Research Award University of Tennessee, Knoxville Department of Microbiology • Excellence in undergraduate research
August 2017-May 2020	Dean's list-- *Summa Cum Laude* University of Tennessee, Knoxville College of Arts and Sciences
August 2017-May 2020	Volunteer Scholarship University of Tennessee, Knoxville • Scholarship award for students with an exemplary academic record

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Affiliations

August 2018-present	Microbiology Undergraduate Club University of Tennessee, Knoxville • Club member
August 2017-May 2019	National Society for Ecological Restoration University of Tennessee, Knoxville • Club member: August 2017-May 2018 • Club president: August 2018-May 2019
October 2019-present	Undergraduate Research Students' Association University of Tennessee, Knoxville • Club member