DYLAN SCHLICHTING

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EDUCATION

Ph.D. Oceanography, Texas A&M University — Jan 2020 - 2025 (Expected)
Adviser: Prof. Robert Hetland

B.S. Civil Engineering, University of Maine — Aug 2016 - Dec 2019
Minor: Mathematics

Relevant Coursework: Physical Oceanography, Numerical Methods, Coastal Engineering, Partial Differential Equations

RESEARCH EXPERIENCE

Graduate Research Assistant — Jan 2020 - Present
Texas A&M University: Dept. Oceanography — *Adviser: Dr. Robert Hetland*

Student Research Assistant — May 2017 - Dec 2019
UMaine: Dept. Civil Engineering — *Adviser: Dr. Kimberly Huguenard*

Engineering Research Assistant — Aug 2018 - May 2019
UMaine: School of Marine Sciences — *Adviser: Dr. Neal Pettigrew*

Research Experience for Undergraduates — May 2018 - Aug 2018
Texas A&M University: Dept. Oceanography — *Adviser: Dr. Robert Hetland*

RESEARCH INTERESTS

Coastal ocean modeling, submesoscale processes, estuarine physics, ocean mixing

PUBLICATIONS

Spicer, P., **Schlichting, D.**, Huguenard, K., Roche, A., and Rickard, L. (Under Review). Sensing Storm Surge: A framework for establishing a citizen scientist monitored water level network. *Ocean and Coastal Management*.

PRESENTATIONS AND CONFERENCES

1. **Schlichting, Dylan**, Lieberthal, B., and Huguenard, K. (2019). An assessment into vegetation farms as a solution to coastal erosion in southern Maine. Northeast Aquaculture Conference, Boston MA. January 9-11. Poster.
2. **Schlichting, D.** and Hetland, R. (2018). Using salinity variance and total exchange flow to ana-lyze salinity structure in an unsteady estuary. Physics of Estuaries and Coastal Seas Conference, Galveston TX. October 14-18. Poster.

3. **Schlichting, D.** and Hetland, R. (2018). Mechanisms controlling salinity structure structure in a broad, shallow, unsteady estuary. Sustainable Ecological Aquaculture Network Undergraduate Research Symposium, Walpole ME. August 7. Poster.
4. **Schlichting, D.** and Hetland, R. (2018). Salinity structure in Copano Bay. Texas A&M University Observing the Ocean REU Student Symposium, College Station, TX. August 2. Talk.
5. **Schlichting, Dylan**, Lieberthal, B., and Huguenard, K. (2017). Vegetation farms as a solution to coastal erosion for Saco, Maine. Sustainable Ecological Aquaculture Network Undergraduate Research Symposium, Walpole ME. August 16. Poster.

TEACHING

Tutor: Computers in Civil Engineering (CIE 115, UMaine) — Spring 2019

HONORS AND AWARDS

National Science Foundation S-STEM Scholar	2020
Louis and Elizabeth Scherck Scholarship	2020
Frank Sleeper - Sawyer Scholarship	2017 - 2019
Best capstone project	2019
Chi Epsilon Member: Civ. Eng. Honors Society	2019
Alpha Tau Omega Memorial Scholarship	2018

SKILLS

Computing and Programming

- Proficient in Python - used for graduate studies and research
- Proficient in Matlab - used for undergraduate studies and research
- Proficient in LaTeX
- Basic experience with Linux administration

Ocean Modeling

- Used ROMS in both estuarine and regional scale (TX-LA) systems
- Basic experience with SUNTANS

Civil Engineering

- Experience with Autocad, Revit, HEC-RAS, and Microsoft Project

PROFESSIONAL SOCIETIES

Association for the Sciences of Limnology and Oceanography

The Oceanography Society

American Society of Civil Engineers