

# Evan R. Flynn

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Last Updated:  
Dec. 6, 2023

## Education

**Doctor of Philosophy: Virginia Institute of Marine Science (VIMS), Gloucester Point, VA** 09/2021 – Present

Major: Marine Science, concentration in Geological Oceanography

Dissertation Committee: Drs. Steven Kuehl, Christopher Hein, Courtney Harris, Marjy Friedrichs, Valier Galy

**GPA 3.94**

**Master of Science: Virginia Institute of Marine Science (VIMS), Gloucester Point, VA** 09/2019 – 07/2021

Major: Marine Science, concentration in Geological Oceanography

Thesis Title: Sediment and Terrestrial Organic Carbon Budgets for the Offshore Ayeyarwady

Delta, Myanmar: Establishing a Baseline for Future Change

Thesis Committee: Drs. Steven Kuehl, Christopher Hein, Courtney Harris, Grace Chiu

**GPA 3.97**

**Bachelor of Science: Eckerd College, St. Petersburg, FL** 05/2018

**Honors Program (08/2014 – 05/2018)**

Major: Marine Science | Minors: Chemistry and Coastal Management

Thesis Title: Mercury Loading in Coastal Sediments: Northwestern Cuba

Thesis Committee: Drs. Gregg Brooks, David Duncan, Tim Dellapenna

**GPA 3.90**

## Honors & Awards

SunTrust Fellowship, VIMS Foundation, 2023-2024 (\$2,481) 10/2023

GSA Student Research Grant, VIMS (\$1,000) 10/2022

Student Research Grant, VIMS (\$1,916) 10/2022

Matthew Fontaine Maury Fellowship, VIMS Foundation, 2021-22; 2022-2023 (\$40,000/yr) 08/2022

2021 Best M.S. Student Paper Award, VIMS (\$250) 05/2022

Boon Student Technology Grant, VIMS Department of Physical Sciences, (\$1,500) 01/2022

VIMS Foundation Fellowship, 2021-22; 2022-2023 (\$3,000/yr) 03/2021

VIMS GSA Conference Travel Grant (\$200) 10/2020

Zeigler Fellowship, VIMS Foundation, 2020-21 (\$1,500) 10/2020

Honorable Mention in NSF Graduate Research Fellowship Program (GRFP) 04/2020

Dean's List, Eckerd College 12/2014 – 12/2016, 09/2017 – 05/2018

Outstanding Marine Science Freshman Award, Eckerd College 05/2015

CRC Freshman General Chemistry Excellence Award, Eckerd College 08/2015

## Research & Work Experience

**Teaching Assistant: Virginia Institute of Marine Science, Gloucester Point, VA** 09/2023 – 12/2023

- Course: Marine Geology
- Led undergraduate recitation and facilitated virtual learning for undergraduate students
- Guest lectured undergraduate and graduate students on the formation/evolution of deltas

**Scientific Party: Amazon River & Guianas Mudbanks Research Cruise, NSF** 05/2023

- Synergistic activity investigating organic carbon cycling offshore of the Amazon river
- Participated in multi- and gravity core collection, sub-sampling, and on-board sample analysis
- PIs: Drs. Brad Rosenheim and Valier Galy

**Guest Lecture: Department of Geology, William & Mary, Williamsburg, VA** 09/20/2022

- Course: Advanced Marine Geology
- Lecture title: "Deltas & the Case of the Ayeyarwady"

**Teaching Assistant: Virginia Institute of Marine Science, Gloucester Point, VA** 09/2020 – 12/2020

- Course: Chemical Oceanography
- Facilitated in-class discussions and assisted in maintaining the course website
- Lectured and developed a final examination question on radioisotopes in marine sediments

**Wetland Conservation Intern: National Audubon Society: Corkscrew Swamp, Naples, FL** 09/2018 – 02/2018

- Conducted resource management through invasive species removal and prescribed burns
- Participated in wetland environmental monitoring/research including: hydrologic data collection, fish sampling, trail cam operation/processing, and wading bird surveys

- Led volunteer teams in the field and contributed to local environmental education efforts
- USGS Volunteer Researcher: USGS Coastal and Marine Science Center, Saint Petersburg, FL** 01/2018 – 05/2018
- Participated in ongoing USGS research focusing on coastal geomorphology
  - Responsibilities included: grain size analysis, bathometric and seismic data analysis
- NSF OCEANUS REU Intern: Texas A&M University Galveston Campus, Galveston, TX** 05/2017-08/2017
- Investigated mercury concentrations in sediment offshore of the Brazos River Delta to assess the relationship between flooding events and mercury deposition (Funded by NSF)
  - Lab practice included sediment texture/composition analysis and mercury detection
  - Results were presented in poster and oral formats at Texas A&M University and Eckerd College
- Research Assistant: Eckerd College, St. Petersburg, FL** 06/2015 – 05/2017
- Responsibilities included: X-ray diffraction analysis, vibra-coring, gamma spectroscopy, operation of freeze drier, and sediment texture/composition analysis
  - Participant in Natural Science Summer Research Program, 06/2015 – 08/2015
- Seawall Erosion Volunteer Researcher: Eckerd College, St. Petersburg, FL** 02/2017 – 04/2017
- Original data was collected in collaboration with a fellow undergraduate to determine the cause of seawall erosion at the local Westminster Shores Retirement Community
  - Research findings were presented to the community board in written and oral formats

## Presentations

- Kuehl, S.A., **Flynn, E.**, Harris, C.K. (2023), Understanding Sediment Dispersal and Processing of Organic Carbon off the Ayeyarwady Delta Through the Lens of Seabed Geochemistry, Abstract [EP51E-1673] presented at AGU23, 11-15 Dec.
- Flynn, E.**, Kuehl, S.A. (2023), Investigating recent changes in terrestrial organic carbon burial off the Ayeyarwady Delta, Myanmar: Implications of human perturbations on offshore carbon fluxes and marine cycling, Abstract [OS33D-1621] presented at AGU23, 11-15 Dec.
- Flynn, E.**, Kuehl, S.A., Liu, P., Harris, C.K. (2022), Tracking the Inputs and Burial of Sediment and Organic Carbon for the Offshore Ayeyarwady Delta: On the Threshold of Major Environmental Change, Presented in session [CP09] at Ocean Sciences 2022, virtual, 28 Feb. – Mar. 4
- Flynn, E.**, Kuehl, S.A., Liu, P., Williams, J.R., Harris, C.K. (2020), Deriving Sediment and Terrestrial Organic Carbon Budgets for the Offshore Ayeyarwady River Delta, Myanmar, Abstract [EP049-06] presented at AGU20, virtual, 7-17 Dec.

## Publications

- Flynn, E. R.**, Kuehl, S. A., Harris, C. K., & Fair, M. J. (2022). Sediment and terrestrial organic carbon budgets for the offshore Ayeyarwady Delta, Myanmar: Establishing a baseline for future change. *Marine Geology*, 447, 106782.

## Leadership

- Graduate Council President & Treasurer: College of William & Mary, Williamsburg, VA** 05/2022 – 05/2023
- Represent over 2,000 graduate students across William & Mary
  - Advocate for graduate student success and well-being by working with administration and students
  - Led efforts to increase representation of marine science graduate students in student government
  - Managed and allocated a budget of \$15,000 for events and community development
  - Served as Events Chair, organizing social and networking events for all graduate students (09/2020-21)
  - Representative 09/2020 – 05/2021; VP 09/2021- 05/2022
- Co-Leader: Society for Women in Marine Science (SWMS) VIMS Chapter, Gloucester Point, VA** 09/2021- 09/2022
- Organize networking events to elevate research conducted by female graduate students
  - Represent VIMS as a regional chapter in association with the national SWMS organization
- GSA Secretary: Virginia Institute of Marine Science, Gloucester Point, VA** 05/2020 – 05/2021
- Record minutes for Graduate Student Association (GSA) meetings
  - Maintain and update GSA website and monthly newsletter information

## Professional Memberships

- American Geophysical Union 07/2020 - Present
- Society of Women in Marine Science (SWMS): Virginia Chapter 09/2019 - Present
- Mathematics Association of America 09/2015 – Present

### Additional Skills

- *Computer Applications:* MatLab, ArcGIS Pro, Digital Shoreline Analysis System (DSAS), Sonar Wiz 6, Microsoft Office, Google Drive
- *Certifications:* SSI Open Water SCUBA (09/2015), CPR and First Aid (07/2018, recertified 09/2023)

