

Victor Hieu Nguyen

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EDUCATION	Georgia Institute of Technology , Atlanta, GA Ph.D. in Ocean Science and Engineering	2026 – now
	University of North Carolina at Chapel Hill , Chapel Hill, NC Environmental Science, B.S., Applied Mathematics, B.S. ▪ Honors Carolina Laureate ▪ Highest Honors Designation ▪ Carolina Research Scholar ▪ Thesis: <i>Shoal Bathymetry Influence on Offshore Transport and Mixing</i> ▪ Minor: Marine Sciences	2022 – 2026
EXPERIENCE	Georgia Institute of Technology , Atlanta, GA Graduate Research Assistant ▪ Georgia Tech Oceanography Group ▪ Advisor: Prof. Lilian Dove	2026 – now
	University of North Carolina at Chapel Hill , Chapel Hill, NC Undergraduate Research Assistant ▪ Carolina Dynamical Oceanography Group ▪ Offshore transport and mixing in Diamond Shoals using Oceananigans ▪ Advisor: Prof. Ken Zhao	2025 – 2026
	University of North Carolina at Chapel Hill , Chapel Hill, NC Undergraduate Research Assistant ▪ Seim Lab for Observational Physical Oceanography ▪ Hydrographic variability of Cape Hatteras coastal region using Slocum gliders ▪ Advisor: Prof. Harvey Seim	2023 – 2026
	SECOORA , Remote Data Engineering Intern ▪ SECOORA Slocum Data Processing and Management Framework (SDPMF) for Slocum gliders ▪ Advisor(s): Prof. Harvey Seim, Prof. Catherine Edwards	2025
	Underwater Glider Pilot ▪ Glider data used for hurricane forecasting ▪ Advisor(s): Prof. Harvey Seim, Prof. Catherine Edwards, Karen Dreger	2023 – 2025
	Texas A&M University , College Station, TX Summer REU Fellow ▪ Carbon Cycle and Earth Environment Lab ▪ Long-term impact of carbon dioxide removal methods on ocean and atmospheric tracers ▪ Advisor(s): Prof. Shuang Zhang, Shihan Li	2024
AWARDS & SCHOLARSHIPS	National Science Foundation Graduate Research Fellowship ▪ Annual award: \$37,000	2026 – 2031
	Epsilon Eta Honors Environmental Fraternity	2024
	Dean's List ▪ Fall 2022, Spring 2023, Spring 2024, Spring 2026	2022 – 2026

PRESENTATIONS	Nguyen, V.H. , Zhao, K.X., and Seim, H. (2026). <i>Oral Presentation</i> . Shoal Influence on Offshore Flow and Mixing. Earth, Marine, and Environmental Sciences Celebration of Research Symposium, UNC.	
	Nguyen, V.H. and Seim, H. (2025). <i>Poster Presentation</i> . Shelf Water Mixing from Cape Hatteras Coastal Region: Tropical Cyclone and Winter Storm Effect on Destratification. AGU25 Annual Meeting, American Geophysical Union.	
	Nguyen, V.H. and Seim, H. (2025). <i>Poster Presentation</i> . Continental shelf hydrographic variability during the Processes driving Exchange at Cape Hatteras (PEACH) program. Celebration of Undergraduate Research, UNC.	
	Zhang, S., Nguyen, V.H. , et al. (2024). <i>Poster Presentation</i> . Long-term carbon storage capacity and ocean co-benefits of carbon dioxide removal methods. AGU24 Annual Meeting, American Geophysical Union.	
	Seim, H., Edwards, C., and Nguyen, V.H. (2024). <i>Poster Presentation</i> . Southern Mid-Atlantic Bight conditions observed with shelf gliders during the PEACH project during 2017-2018. NSF OOI Community Workshop: Pioneer Array, Old Dominion University.	
	Nguyen, V.H. , Zhang, S., and Li, S. (2024). <i>Oral Presentation</i> . Carbon capture potential and ocean system interactions. Department of Oceanography REU Symposium, TAMU.	
	Nguyen, V.H. , Zhang, S., and Li, S. (2024). <i>Poster Presentation</i> . Carbon capture potential and ocean system interactions. LAUNCH REU Poster Symposium, TAMU.	
SERVICE AND OUTREACH	Nguyen, V.H. and Seim, H. (2024). <i>Poster Presentation</i> . Characterization of Hatteras Front using glider deployments from PEACH project. Celebration of Undergraduate Research, UNC.	
	Nguyen, V.H. and Seim, H. (2024). <i>Poster Presentation</i> . Characterization of Hatteras Front using glider deployments from PEACH project. Earth, Marine, and Environmental Sciences Research Symposium, UNC.	
	Carolina Science Olympiad , Chapel Hill, NC	
	Senior Advisor	2025 – 2026
	President	2024 – 2025
SKILLS	Service Chair	2023 – 2024
	Media Chair	2022 – 2023
	Epsilon Eta Honors Environmental Fraternity Chapel Hill, NC	
	Academic Chair	2025
	Office of Undergraduate Research Chapel Hill, NC	
SKILLS	Research Ambassador	2024 – 2025
	Programming Languages: MATLAB, Julia, Python, Java	
	Ocean Modeling: Oceananigans.jl	
	Front-end: L ^A T _E X, HTML, CSS, Markdown	
	HPC: Casper GPU (NCAR), Derecho (NCAR), Longleaf (UNC), Sycamore (UNC)	

[CV compiled on 2026-07-11]