

Zoe Hosford

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LINKS

[GitHub](#)

EDUCATION

Sep 2024 — Present	M.Sc in Biology, Western Washington University	Bellingham, WA
	<ul style="list-style-type: none">• Advised by Dr. Alejandro Acevedo-Gutierrez and Dr. Dietmar Schwarz• Graduate Teaching Assistant for Biology 101 Lab• Working towards Graduate Certificate in Data Science	
Sep 2020 — May 2023	B.S in Marine Science, University of Maine	Orono, ME
	<ul style="list-style-type: none">• Advised by Dr. William Ellis	
Aug 2022 — Dec 2022	Occupational Endorsement Certificate in Marine Mammal Biology, University of Alaska - Anchorage	Homer, AK
	<ul style="list-style-type: none">• Advised by Dr. Debbie Boege-Tobin	

SELECT WORK & RESEARCH EXPERIENCE

Sep 2024 — Present	Graduate Research Assistant, Western Washington University	Bellingham, WA
	<ul style="list-style-type: none">• Determining the impact of increased Transient killer whale presence on harbor seal haul-out usage, and the potential impacts on salmon consumption	
Sep 2024 — Present	Graduate Teaching Assistant, Western Washington University	Bellingham, WA
	<ul style="list-style-type: none">• Teach introductory biology labs to undergraduate students<ul style="list-style-type: none">• Create class plans, presentations, and materials• Communicate effectively with students and peers• Grade student assignments	
Apr 2024 — Sep 2024	Deckhand, Bar Harbor Whale Watch Company	Bar Harbor, ME
	<ul style="list-style-type: none">• Worked as a deckhand aboard multiple vessel types; docking and undocking boats, boarding and assessing passenger safety, and completing routine maintenance on both boats(catamarans and outboard engines) and docks• Assisted with screening and boarding passengers	
Jan 2024 — Apr 2024	Research Intern, Sarasota Dolphin Research Program	Sarasota, FL
	<ul style="list-style-type: none">• Assisted with various research projects by vessel:<ul style="list-style-type: none">• Dolphin population monitoring via photo identification using DSLR cameras and FinBase• Prey and habitat use via purse seining techniques and environmental data• Passive acoustic monitoring• Assisted with data entry and equipment maintenance	
May 2023 — Oct 2023	Research Assistant & Deckhand, Allied Whale & Bar Harbor Whale Watch Company	Bar Harbor, ME
	<ul style="list-style-type: none">• Worked as a deckhand aboard multiple vessel types; docking and undocking boats, boarding and assessing passenger safety, and completing routine maintenance on both boats(catamarans and outboard engines) and docks• Assisted in the management of the North Atlantic Humpback Whale and North Atlantic Fin Whale catalogs.• Collected data and photos of marine mammals via vessel using a DSLR camera• Assisted with biopsy sample collection trips from cetaceans via vessel• Spent 1.5 weeks at a time living on an offshore research island<ul style="list-style-type: none">• Completed marine mammal surveys(harbor and grey seals)• Responded to both live and dead marine mammal strandings in Northern Maine (harbor and grey seals, minke whales, harbor porpoises)<ul style="list-style-type: none">• Completed necessary necropsies• Helped capture and transport live injured individuals	

Aug 2022 — Dec 2022	Sea Otter Stranding Response Intern, U.S Fish and Wildlife Service	Homer, AK
	<ul style="list-style-type: none"> • Responded to live and dead sea otter stranding reports • Completed and filed appropriate paperwork (Level A and NMFS forms) • Performed necessary examinations and sample tests (AIME swabs) • Collected field samples • Completed lab and field necropsies when deemed necessary 	
Aug 2022 — Dec 2022	Undergraduate Student with Lee Post, University of Alaska-Anchorage: Kachemak Bay Campus	Homer, AK
	<ul style="list-style-type: none"> • Completed a full skeletal articulation of an adult beluga whale(now displayed in the Museum of the North in Fairbanks, AK) • Excavated a complete beluga whale skeleton 	
Aug 2022 — Dec 2022	Undergraduate Researcher with Dr. Deborah Boege Tobin, University of Alaska-Anchorage: Kachemak Bay Campus	Homer, AK
	<ul style="list-style-type: none"> • Environmental DNA filtering and processing for Cook Inlet beluga whales to determine foraging habits 	
May 2022 — Sep 2022	Lead Marine Ecology Educator, UMaine Cooperative Extension: Blueberry Cove Summer Camp	Tenants Harbor, ME
	<ul style="list-style-type: none"> • Created lesson plans and activities based on various marine ecology topics and issues • Responsible for the safety of campers, ages 8-14, in small groups, during the day and overnight while co-living in cabins at the overnight summer camp 	

SKILLS	R Studio	Remote Fieldwork
	GitHub	Vessel Operations & Maintenance
	Marine Ecology Education	

CERTIFICATIONS	
Jun 2018 — Jun 2025	First Aid & CPR <ul style="list-style-type: none"> • Formerly certified through Red Cross, currently certified through HSI
Jun 2018 — Jun 2025	02 <ul style="list-style-type: none"> • Formerly certified through Red Cross, currently certified through HSI

REFERENCES	Dr. Alejandro Acevedo-Gutierrez from Western Washington University aceveda@wwu.edu
	Dr. Dietmar Schwarz from Western Washington University schward2@wwu.edu
	Dr. Debbie Boege-Tobin from University of Alaska-Anchorage ddtobin@alaska.edu