

Beaver Lodge

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EDUCATION

Master of Science, Marine Resource Management June 2022

Geographic Information Science Certificate

Oregon State University: College of Earth, Ocean & Atmospheric Sciences

Bachelor of Science, Earth Systems Sciences: Ocean Science Option. Dec. 2019

Oregon State University: College of Earth, Ocean, and Atmospheric Science, (CEOAS) GPA. 3.50

MARINE SCIENCE RESEARCH & PROJECTS

Marine Resource Management Masters Research Sept. 20

“The Ecology, Economic, and Sociocultural impact of the Pacific Razor Clam on Oregon Coastal Communities: A Northern Coast Case Study.” – Jun. 22

- Collaborate with fisheries management faculty to collect social science surveys from razor clam harvesters to examine the economic and cultural impacts of this primary Oregon export.

Research Intern, Deep-Sea Ecology Lab, Oregon State University CEOAS. Apr. 19 –

Supervisor: Dr. Andrew Thurber, Ocean, Ecology and Biogeochemistry Professor. Jun. 19

- Prepared algae samples for the spectrometer to look at ratios of carbon 14 and carbon 13, and ratios of nitrogen to analyze anthropogenic impacts on reefs in Northern California.
- Developed laboratory skills in preparing samples by measuring and processing algae.

Polar Oceanography Research Project, Oregon State University Oceanography. Apr. 18 –

Advisor: Dr. Kim Bernard, Ocean, Ecology and Biogeochemistry Professor. Jun. 18

- Research Paper: “Dissolved Oxygen, Dissolved Inorganic Carbon, and Primary Production Along the Northern Portion of the Western Antarctic Peninsula.”
- Utilized data taken during Antarctic cruises to analyze changes in dissolved oxygen, dissolved inorganic carbon, and primary production over time.
- Proficient in Microsoft Excel, Ocean Data View, and Data Analysis.

PROFESSIONAL EXPERIENCE

Outreach Coordinator, Science and Math Investigative Learning Experiences, OSU. Oct. 20 –

- Developed curriculum for the SMILE project, in conjunction with the Pacific Marine Energy Center. In order to introduce students to engineering and wave energy off the Oregon Coast. Present
- Website development for the project.

- Science communion towards students in grades 4 to 12.

Marine Science Instructor, Oregon Museum of Science and Industry, Tillamook, OR Feb. 20 –

- Prepared and taught a natural science curriculum for student groups of 10 to 20 for K-12 students in a mix of outdoor and classroom settings.
- Provided a safe and welcoming environment to engage students for learning.
- Coordinated with other instructors for lesson planning and implementation.
- Provided first aid care when necessary.

Heavy Machinery Operator, Lodge’s Logging, Corvallis, OR. Jul. 17 –

- Operating skidder, KMC tracked skidder, and shovel logging equipment in a high-risk work environment.
- Exposure to sustainable forestry practices; specifically reducing harmful impacts on the environment, improving product yields, and increasing worker health and safety.

OCEANOGRAPHIC & ECOLOGICAL COURSEWORK

Biological Oceanography	Estuarine Ecology	Climate Modeling
Geological Oceanography	Biogeochemistry	Analysis in Social Science
Chemical Oceanography	Policy and Coastal law	Science Writing
Physical Oceanography	Oceans, Coasts, and People	Advanced Spatial Analysis

TECHNICAL SKILLS

Expertise in: Microsoft Excel, Microsoft Word, Ocean Data View, and Data Analysis.

Skill in: R Studio, ArcGIS, Public Science Education, Python coding.

CERTIFICATIONS & MEMBERSHIPS

Glucagon Certification	Mar. 20
Member, The Oceanography Society	Sept. 16 – Present
Member, The GeoClub, Oregon State University	Sept. 17 – Dec. 19