

**Andrew L. Scherer (He/Him)**

[ascherer97@gmail.com](mailto:ascherer97@gmail.com) | [scherand@oregonstate.edu](mailto:scherand@oregonstate.edu)

CEOAS, Oregon State University, 104 CEOAS Admin Building, Corvallis, OR 97331-5503

**Education**

**Oregon State University (*Ongoing*)** 2022-Present

Concurrent M.S. and Ph.D., Physical Oceanography

**Cleveland State University** 2017-2022

B.Sc. Physics (Honors), B.Sc. Environmental Science, mathematics minor, *summa cum laude*

**Professional History**

**Graduate Research Assistant (*Ongoing*)** 2022-Present

Fewings Lab, Oregon State University

**Ocean Observing Center Intern** 2023

National Science Foundation Ocean Observatories Initiative Endurance Array

**Research Experience for Undergraduates Intern** 2021

California State University, Monterey Bay

**Undergraduate Research Assistant** 2019-2022

Streletzky Light Scattering Lab, Cleveland State University

**Scholarships and Awards**

Cleveland State University Physics Dept. Outstanding Teaching Assistant 2022

Cleveland State University Outstanding Senior 2022

Society of Physics Students Leadership Scholarship 2021

Tarun Mal Outstanding Environmental Science Undergraduate Award 2021

Society of Physics Students Marsh W. White Outreach Award 2020

Morton Mandel Honors College Scholarship 2019-2022

Jearl Walker Physics Scholarship 2017-2022

Cleveland State University Undergraduate Research Award 2019

**Presentations**

*Nearshore Nitrate Response to Wind on the Newport Hydrographic Line, OR, USA*  
Oregon State University Student Seminar Series, Corvallis, OR 2022

*Nutrient Fluxes in the US Pacific Northwest Coastal Upwelling System*  
Eastern Pacific Ocean Conference, South Lake Tahoe, CA 2021

*Using Static Light Scattering (SLS) to Determine the Structure of Polymeric Microgels*  
American Physical Society March Meeting, Denver, CO (Virtual) 2020

*Finding Size and Structure of Polymeric Microgels Using Light Scattering*  
Ohio Section of the American Physical Society, Virtual 2020

## **Posters**

<i>Nearshore Nitrate Response to Wind on the Newport Hydrographic Line, OR, USA</i> <b>Won best student poster award</b> Eastern Pacific Ocean Conference, South Lake Tahoe, CA	2023
<i>Nearshore Nitrate Response to Wind on the Newport Hydrographic Line, OR, USA</i> Gordon Research Conference on Coastal Ocean Dynamics, Smithfield, RI	2022
<i>Nearshore Nitrate Response to Wind Forcing on the Newport Hydrographic Line</i> State of the Coast, Newport, OR	2022
<i>Observations of Cross-Shelf Nitrate Fluxes over the Oregon Continental Shelf</i> American Physical Society (APS) March Meeting, Chicago, IL	2022
<i>Using Depolarized Dynamic Light Scattering to Study Microgel Volume Phase Transition</i> American Physical Society Physics Congress, Providence, RI	2019
<i>Using Depolarized Dynamic Light Scattering to Study Microgel Volume Phase Transition</i> <b>Won best student poster award</b> Cleveland State University Research Symposium, Cleveland, OH	2019

## **Software Development**

All projects and datasets available at <https://github.com/andrew-s28>

Proficient in: Python, Java, C++, Git, Bash, and PowerShell.

Some experience in: MATLAB, C#, JavaScript, HTML, and CSS.

## **Teaching and Advising**

<b>Advisor of Julian Loesch</b> , undergraduate researcher through the Oregon State University Undergraduate Research, Scholarship, and the Arts Engage Program	Spring 2023
<b>University Physics 1 Teaching Assistant</b>	Spring 2022
<b>College Physics 1 Teaching Assistant</b>	Spring 2022
<b>University Physics 1 Teaching Assistant</b>	Fall 2021
<b>College Physics 1 Teaching Assistant</b>	Fall 2021
<b>Physics Department Tutor</b>	Fall 2020-Spring 2021
<b>College Physics 2 Teaching Assistant</b>	Spring 2020
<b>University Physics 2 Teaching Assistant</b>	Spring 2019
<b>College Physics 2 Teaching Assistant</b>	Spring 2019

## **Service**

<b>Oregon State University Graduate Student Seminar</b> Organizer	2023-Present
<b>Society of Physics Students</b> President and Outreach Coordinator	2021-2022
<b>Society of Physics Students</b> Treasurer	2019-2021