

Matt Sprague

Graduate School of Oceanography, University of Rhode Island

I am a master's student in Physical Oceanography at the University of Rhode Island, working on glider instrumentation for the RI C-AIM coastal oceanography project. Interested in any and all outreach opportunities!

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📍 San Diego

🌐 matthewsprague.com

🐙 github.com/MattSprague-SIO

EDUCATION

Physical Oceanography (M.S.)

Graduate School of Oceanography, University of Rhode Island

07/2021 - 07/2021

Oceanic and Atmospheric Sciences (B.S.), Earth Science (minor)

Scripps Institution of Oceanography, UC San Diego

09/2017 - 06/2021

Graduated with high distinction for completion of honors thesis program (GPA 3.78)

WORK EXPERIENCE

Oceanographic Assistant

Scripps Institution of Oceanography

06/2020 - 07/2021

Oceanographic assistant for Scripps professor Fiamma Straneo, organizing, plotting, and presenting data from field work in Sermilik Fjord, Greenland.

Achievements/Tasks

- Creating cruise maps with MATLAB and graphic design
- Plotting time series of variables from mooring and CTD deployments
- Designing accessible data portal on Arctic Data Center

Contact: Fiamma Straneo - fstraneo@ucsd.edu

Website Manager

Scripps Polar Center

01/2020 - 07/2021

The Scripps Polar Center is a group for oceanic, atmospheric, and environmental researchers of the polar regions.

Achievements/Tasks

- Designing profile pages for Polar Center members
- Organizing and uploading Polar Seminars and news articles
- Building pages for class information and educational resources

Contact: Helen Fricker - hfricker@ucsd.edu

Chemistry Lab Assistant

Center for Aerosol Impacts on Chemistry of the Environment, UC San Diego

09/2019 - 02/2020

CAICE is a leading research group in the field of aerosol chemistry, headed by Dr. Kimberly Prather.

Achievements/Tasks

- Prepared and ran samples to study DMS oxidation using PAM-OFR aerosol chamber
- Analyzed samples using mass spectrometer
- Conducted literature review to corroborate findings

SKILLS

Data Analysis

MATLAB

Research

Python

ArcGIS Pro

Wordpress

Communication

Public Speaking

Graphic Design

SCUBA

RESEARCH EXPERIENCE

Honors Thesis (SIO) (08/2020 - 07/2021)

- Individual research project advised by Fiamma Straneo
- Analyzed ADCP and satellite data to identify and describe ocean velocity anomalies associated with sea ice cover
- Produced honors thesis (see website) and research presentation in fulfillment of SIO honors program

ORGANIZATIONS

Scripps Polar Center (01/2020 - 07/2021)

Website Manager, member

LANGUAGES

English

Native Proficiency

Spanish

Professional Working Proficiency

RESEARCH INTERESTS

Ice-ocean interactions

Climate change

Submesoscale polar oceanography

Polar field work

Glaciology

Wave interactions