

Matt Sprague

Scripps Institution of Oceanography, UC San Diego

I am a fourth year student at UC San Diego, applying to graduate programs in oceanography and/or glaciology. I am particularly interested in high-latitude oceanography and I am looking forward to developing my skills at a research institution!

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🐙 github.com/MattSprague-SIO

EDUCATION

Oceanic and Atmospheric Sciences (B.S.)

Scripps Institution of Oceanography, UC San Diego

09/2017 - 06/2021

GPA: 3.73

Earth Science (Minor)

Scripps Institution of Oceanography, UC San Diego

09/2017 - 06/2021

WORK EXPERIENCE

Oceanographic Assistant

Scripps Institution of Oceanography

06/2020 - Present

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 deployments
- Organizing data to be made available to researchers

Contact: Fiamma Straneo - fstraneo@ucsd.edu

Website Manager

Scripps Polar Center

01/2020 - Present

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
- General site maintenance and structure changes

Contact: Helen Fricker - hfricker@ucsd.edu

Chemistry Lab Assistant

Center for Aerosol Impacts on Chemistry of the Environment, UCSD

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

SKILLS

Data Analysis

MATLAB

Research

Wordpress

Communication

Public Speaking

Spreadsheets

Python

Graphic Design

PERSONAL PROJECTS

Research: O-SNAP Iceberg Velocity Project
(09/2020 - Present)

- Beginning research project for summer/fall quarter
- Intend to use O-SNAP ADCP moorings to track iceberg and sea ice velocities off southeast coast of Greenland
- Analysis combining oceanographic mooring data, practical iceberg tracking, and satellite imagery

ORGANIZATIONS

Scripps Polar Center (01/2020 - Present)

Website Manager, member

LANGUAGES

English

Native or Bilingual Proficiency

Spanish

Professional Working Proficiency

INTERESTS

Running

Reading

Backpacking

Climbing

Music

Digital art/drawing

Gardening