The School of Oceanography at the University of Washington, with support from the eScience Institute, is excited to announce an undergraduate summer program, “Data Science in Oceanography.” The goal of the program is to provide undergraduate students with opportunities in contemporary data-driven research in oceanography and attract them to exciting possibilities of career paths in oceanography. Participating students will interact closely with faculty and graduate student mentors to develop and advance research projects revolving around oceanographic data analysis. Students will attend overview lectures on fundamental problems in different oceanography fields, including physical, biological, and chemical oceanography as well as marine geology and geophysics. They will gain a basic understanding and hands-on experience in data science techniques, including time series analysis and machine learning. Students will also learn about scientific writing and presentation skills, explore possible careers in oceanography and related fields, receive tips for gaining additional undergraduate research experience, and get an overview of the graduate school admissions process. The program will organize fun activities in the Seattle area, including hiking, kayaking, and sailing. Participants will be provided on-campus housing, meals, and partial travel reimbursement.

Undergraduate students with programming experience and interests in oceanography and data science are welcome to apply. International students with strong interests in pursuing graduate programs in US institutions are also welcome to apply. We are particularly eager to provide research and mentoring opportunities to First Generation students and those from historically underrepresented groups in STEM. More information about the program can be found on its webpage.

Apply here: https://form.jotform.com/230646977807066. Applications will be accepted until June 1st, 2023. Decisions will be sent out by June 15th, 2023. Accepted students will need to confirm participation by June 30th, 2023. For questions, email Professor Georgy Manucharyan at gmanuch@uw.edu.