

2024-2025 Quileute CASE Leadership



Madeleine Lucas
Quileute CASE Lead
University of Washington

Madeleine is a 5th year PhD student in the Department of Earth and Space Sciences at the University of Washington. She is passionate about sharing her knowledge and love for the Earth Sciences with communities directly impacted by her research on Cascadia earthquake and tsunami hazards. Madeleine aims to inspire kids from all walks of life to pursue the geosciences. Over the past three years, she has led the development of a partnership between UW Riverways program and the Quileute Tribal School to exchange culture and science with high school students, teachers, and the broader Quileute Tribal community. Driven by a deep passion for both teaching, community engagement, and research, Madeleine aspires to merge these interests in her future career. She looks forward to working with CRESCENT on her work building strong educational partnerships with coastal communities in Cascadia to increase community resilience to earthquakes and tsunamis in Cascadia.



Mya Baker
Culture Lead
University of Washington

Mya Baker is a senior studying Computer Science at the Paul G. Allen School of Computer Science hoping to improve technological literacy and education in underrepresented communities. Mya is into her third year as an Allen School Ambassador and educator of the STEM Culture and Science Exchange program organized by the Riverways Education Partnership. During Spring Breaks, Mya contributes to creating a culturally-sustaining curriculum for Quileute High School students. With an underfunded Native American population, Mya helps support their practices by learning the Quileute language and integrating indigenous traditions into student lesson plans about the geological hazards in La Push, Washington. Mya's experience contributing to diverse communities and first-hand involvement with students learning new material has driven her to help others who are struggling through similar systemic obstacles and require guidance which can positively impact the course

of their futures. In her free time, she enjoys reading, watching documentaries, and diving into acrylic painting projects!



Abbey Moore
Science Lead
University of Washington

Abbey is an Oceanography PhD student at the University of Washington. This is her 1st year on the QTS CASE team.



Alyssa Iverson
Communication Lead
University of Washington

Alyssa Iverson is a junior at the University of Washington studying Geoscience. This is her 1st year on the QTS CASE team. Her interests are in structural geology and geomorphology as well as making science more accessible to the non scientific community. She is excited to work with the Quileute CASE team this year to connect with and exchange information with the tribal communities in Washington and share her interest in geology with others. Thank you to the Riverways program, CRESCENT, and the Quileute Tribal School for making this possible!



René Castillo
Internship Lead
Ohio State University

René is an Earth Science PhD student at Ohio State University. This is her 1st year on the QTS CASE team. René's research is centered on her fascination with geohazards, extreme environments, and outdoor recreation! She is passionate about exploring the dynamic forces of our planet while seeking adventure in the great outdoors. As a geohazard enthusiast, she has always been captivated by the raw power of nature. Whether it's studying volcanic eruptions, earthquakes, or landslides, she is constantly amazed by the Earth's ever-changing landscape. Her academic and professional journey has led her to study unraveling the mysteries of geohazards and understand their impact on our environment and society. But it's not all about studying disasters; she is equally drawn to extreme environments. From the depths of the oceans to the icy moons of other planets, René thrives on pushing the boundaries of scientific knowledge. When not immersed in geoscience research, you'll find René indulging in

outdoor recreation or baking bread. Hiking, camping, rock climbing, and kayaking are her go-to activities to connect with nature and recharge the spirit.



Paul Morgan
Science Lead
University of Washington

Paul Morgan is a PhD student at the University of Washington whose research interests are in earthquakes, landslides, landscape evolution, landslide dams, and tectonic geomorphology. He was a Science Lead for the geomorphology centered curriculum for the 2024-2025 CCASE program.