

FYRES Research Mentors 2017-2018

The FYRES Research Mentors for 2017-2018 are seven excellent students in the Geology, Geography and Environmental Studies department.

Jesse Dillon



Jesse is a senior Geology major with an interest in coastal processes and hazard management. He grew up in Jackson, Michigan, where he volunteered with both the Juvenile Diabetes Research Foundation and the Armory Bike Union. Jesse enjoys biking, playing music, and traveling, and he loves to build terrariums and aquariums.

Maddie Hughey

Maddie Hughey is a senior classical studies/environmental studies major and no, that does not mean she can tell you about the climate of ancient Rome. Environmental law is an option, though she mostly likely will end up becoming a rancher. Growing up, she spent most of her time in Montpellier, France and moved back to the states for college in 2014. She participated in and fell in love with the FYRES program her first year studying the impact of deer on the North Ottawa dunes. In between FYRES and classes, she is the co-captain of the equestrian team, managing editor of Chimes, and really into 90s sitcoms. Unfortunately, Maddie had to leave us halfway through the fall semester.



Issac Jacques



Issac is a senior majoring in geology from Napanee, Ontario, Canada. Being Canadian, he does, in fact, drink maple syrup. Issac plans on working in and obtaining a PhD in the field of either economic geology with a focus on the mechanics involved with the genesis of rare earth element deposits, or hydrogeological resource exploration. The most recent research he was engaged with was evaluating the regional hydrogeology of the area of La Union, Lempira Department,

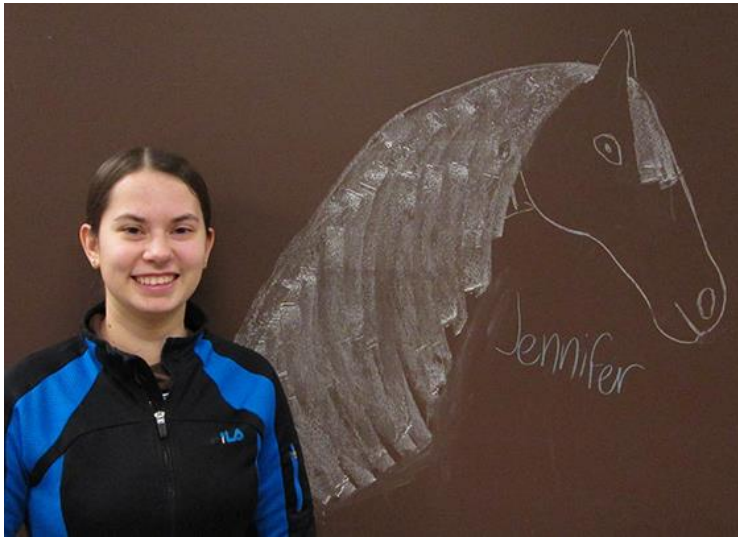
Honduras, in order to determine the best method of finding water to a village called Chimizal.

Maia Madrid

Maia is a senior studying Geology. She grew up in Manitowoc, Wisconsin, a lakeside town, but has roots throughout the American west. Maia loves the outdoors, especially near the lakeshore, and is therefore quite excited to be a FYRES mentor, though she was unfortunately not a participant in FYRES her senior year. Her research interests range from terrestrial geomorphology to planetary surfaces and surface processes; she has a particular interest in using GIS to further research as well. She has previously done research with the Lunar and Planetary Institute and NASA investigating the ages of lunar basalts.



Jennifer McClellan

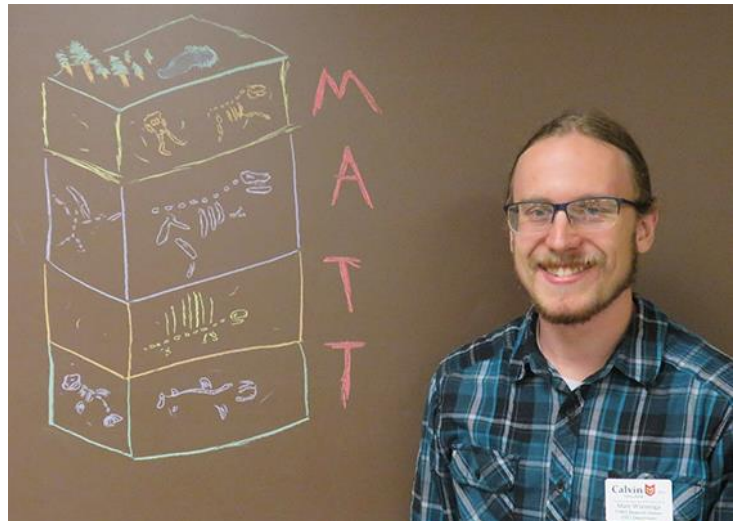


Jennifer McClellan is a junior majoring in geology. She grew up in Hudson, Michigan working with her Dad in his landscaping business. Jennifer was in FYRES her freshmen year, and has worked a research project for Geomorphology looking at sea stacks affect sand erosion. She is interested in working in Mineralogy or Igneous and Metamorphic Petrology fields. Jennifer enjoys horseback riding, teaching kids how to ride, biking, and hiking.

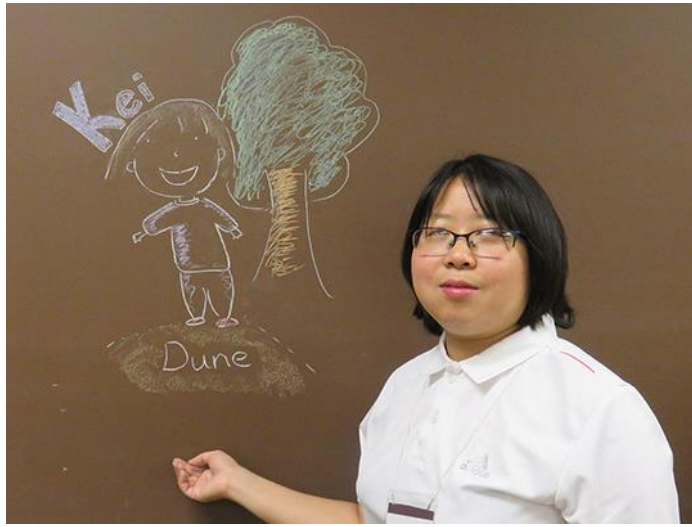
Jennifer joined this group of mentors halfway through the fall semester after Maddie was unable to continue.

Matthew Wierenga

Matthew Wierenga is a senior majoring in geology and Biology. He has a passion for paleontology and hopes to one day have a career in paleobotany. He grew up in Alsip, Illinois and enjoys hiking, baking, and gardening.



Kei-Wing Wong



Kei-Wing Wong is an environmental science (chemistry focus) major and architecture minor from Hong Kong, China. She has travelled to many places such as Taiwan, Korea, Japan, Philippines, United Kingdom, Canada, Jordan, Israel and Palestine. She has a strong passion both in sport and research. She loves to play table tennis, badminton, swim, and bike. Additionally, she has done summer research on Smart Cities and Medical Cybersecurity, and the outcomes were presented respectively at RISUD Annual International Symposium in 2016 and at CPCE Health Conference in 2017. Moreover, she has studied the impacts of dam to the shape and form delta, sea-level

rise to Tuvalu, and coastal managements of the Great Barrier Reef coral bleaching in Australia. She is very excited to work as FYRES mentor to guide students to do research on dune. It will be a good adventure for both her and FYRES students.