Earth and Space Sciences Class of 2016

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Kevin Darole





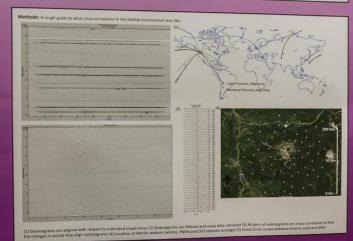




Cross-Correlation of Teleseismic Events Using the Imaging Magma Under St. Helens (IMUSH) Seismometer Array University of Washington, Earth and Space Sciences, Seattle, WA, contact lukefish@uw.edu

Abstract: The IAUCH project seeks to determine the architecture of the MS. D. Helms (MSH) magnitude system. This is a multi-disciplinary project employing partner source seasons. Abstract: The MILOF project web-till determine the architecture of the MILOF interest, MOHI magnetics, vision. This is a multi-disciplinary project employing power source intermines and perfoliogic meetingstract. The order does not be source group between, magnetic delivation monographic means of a special performance of the modern delivers o discullanguation to best consisted to between discretchar time officis. These offices are invented to not obscionsisted artisal mains to the News as a proximite strict in the American proximity of the Charlesgo included removing only seasong arm, electricity removing marginal seasong arm, deepflying and figure envired seasong arm and sections of the work was a wearth of data about the arrest time across the MUSE array for reseasons were approximity from a writing of animals. elementaries, no decrease in the work was a wealth or data about on alread the appoint in bouthfairs for recisions leaves approaching from a winety of abouts. This defends on said called maps of charge to arrive time at the surface for individual earthquakes and composite maps of how prology structure may any wink depth. This data will be valuable in tomographic inversions for a full 3.0 wave speed model of the MSF volcate system that a under development by the rest of the MSF stem, initial and the surface of the MSF volcate system that a under development by the rest of the MSF stem, initial despectations are consistent with low wave speeds directly beneath Male and legit wave speeds deeply below the surface associated with low wave speeds directly beneath Male and legit wave speeds deeply below the surface associated with the subdivine has De Fuzz plate.

Predictions and Goals: To prove that cross-correlation of feleceimic (distant) earthquakes can be used to produce a class image of the deep geologic structure of Mr. St. Helens (MMH). To ten'd this process will be repeatable for events of varying magnitudes and directions of approach to MMH. To provide a distant that will be valuable in a 3-D wave speed.



Luke Hibbs Fisher

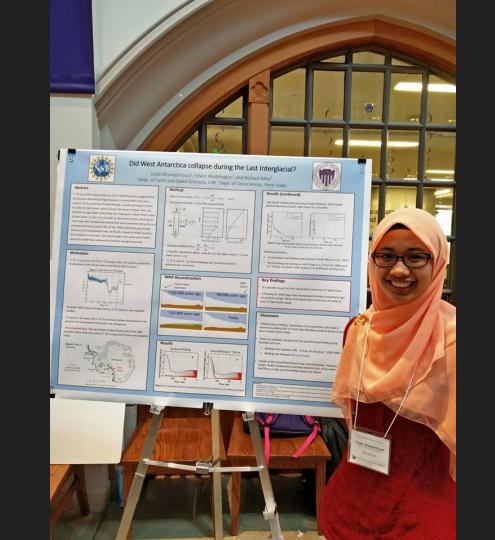
be used to produce coherent images of the structures deep beneath Mt. St. Helens. This is repeatable with events of a the used to proude coherent images of the structures deep behave hist. St. Neiers. This is reputable with creek of a Is. Our analysis finds flow velocity structures immediately, beneath MSH that could be interpreted as the magmatic systems. Is velocity section that is consistent with the subducting Juan De Fuzz Plate.

tation (black dots) from earthquakes approaching at different azimuths: (6) Mendoza Province Argentina 2/2/2015 (7) Juliay 1972/2014. A crude estimate of 3-0 structure is determined by smoothing observations from all events to all stations (through the earth at depths of: [10] - 10 km, [21] - 20 km, [22] - 40 km, [23] - 40 km, [24] - 50 km and [15] - 100 km. These are es (red) correspond to slow wave speed and early arrival times (blue) to fast wave speeds





Izzati Ahamad Fouzi















Ian Lee

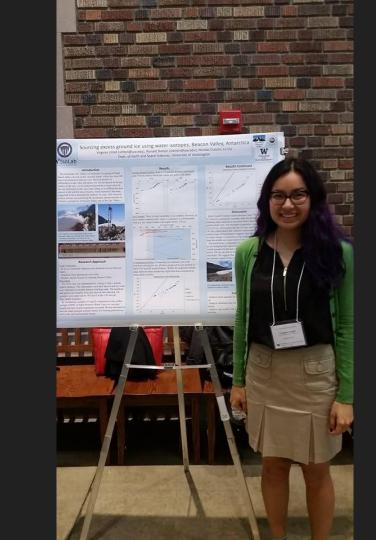








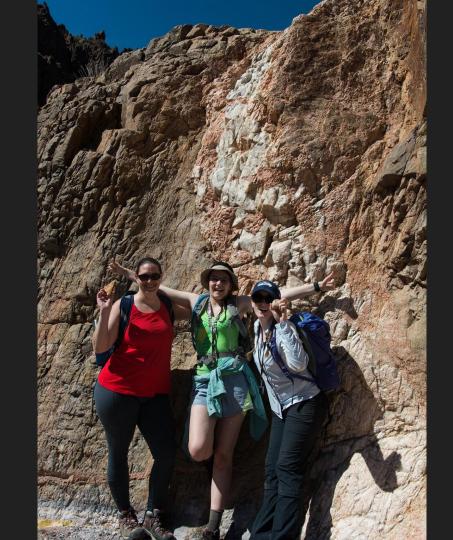
Virginia Littell









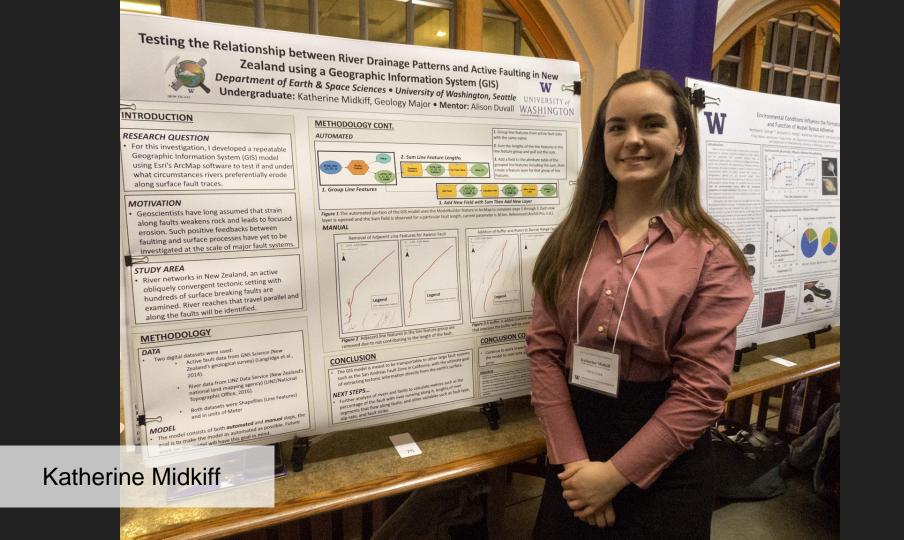






























Samantha Potter

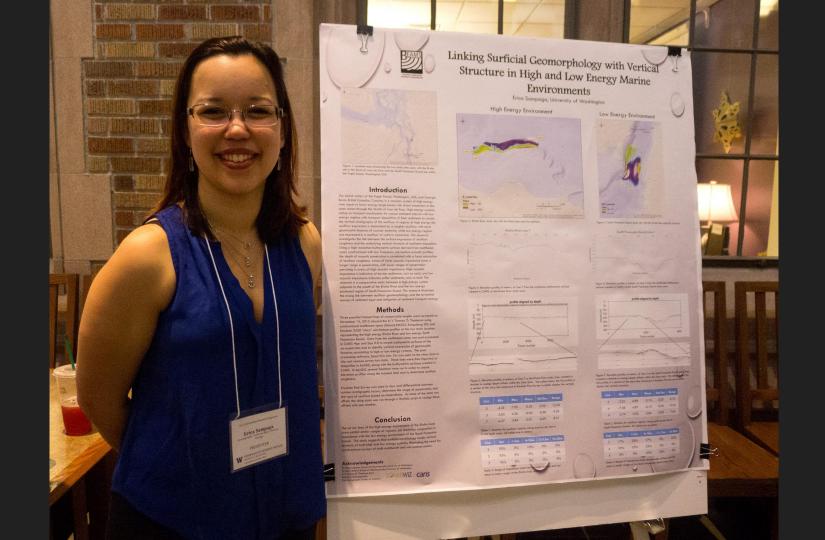




Austin Rains

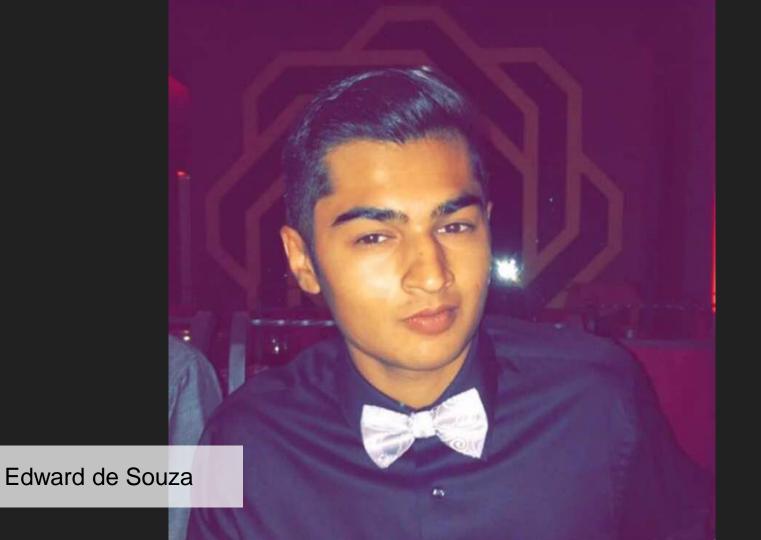


Erica Sampaga













Jacob Woods









Congratulations Class of 2016!

