

## Faculty Contact List for Undergraduate Opportunities:

Adding your name, email, interests and types of opportunities to this list indicates your interest in undergraduate students contacting you about opportunities

### Name - Email - Interests - Type of opportunities

Cailey Condit - [ccondit@uw.edu](mailto:ccondit@uw.edu) - Metamorphic petrology, structural geology, geochronology, Tectonics; research projects during the academic year

Juliet Crider - [criderj@uw.edu](mailto:criderj@uw.edu) - Structural Geology, Active Tectonics, Geologic records of past earthquakes and crustal deformation, PNW geology, geothermal geology, applied geology research projects during the academic year, short local field projects, interpreting rocks & outcrops, building digital models with structure-from-motion photogrammetry. Specific, near term opportunities co-mentored with graduate student Elizabeth Davis (beginning summer 2021) and post-doc Owen Callahan (beginning autumn 2021).

Alison Duvall - [aduvall@uw.edu](mailto:aduvall@uw.edu) - Tectonic Geomorphology (rivers, hillslopes, uplifting and eroding mountains), Active Tectonics and hazards of subduction zones and strike-slip fault systems. Research projects during the academic year, possibly some local field work, GIS and digital topographic analyses.

T.J. Fudge - [tjfudge@uw.edu](mailto:tjfudge@uw.edu) - Ice Cores, Glaciers, Past Climate, Scientific Programming  
Primarily summer internships focused on scientific programming

Michelle Koutnik - [mkoutnik@uw.edu](mailto:mkoutnik@uw.edu) - Glacier and ice sheet change, geophysical data, ice-flow modeling, ice on Mars; opportunities for research projects during the summer

Brad Lipovsky - [bpl7@uw.edu](mailto:bpl7@uw.edu) - Geophysics and mechanics of glaciers, volcanoes, landslides, and earthquakes. Particular opportunities include: 1. Creative use of optical fibers to study soil moisture, 2. Geophysical studies of recent volcano eruptions in Hawaii and Iceland, 3. Machine learning approaches to interpret remotely sensed observations of glacier sliding and fracturing. Potential to do some fieldwork or not depending on preference.

Fang-Zhen Teng - [fteng@uw.edu](mailto:fteng@uw.edu) - Isotope geochemistry of Li, B, Mg, K, Fe in planetary, geological and biological processes. Hands on experience in dealing with meteorites, lunar samples, oceanic basalts, cascades arc lavas, granites, loess, shale, carbonates etc. in state of the art clean labs.

Marine Denolle - [mdenolle@uw.edu](mailto:mdenolle@uw.edu) - Earthquake seismology. 1) Machine learning in seismology to curate, label, classify PNSN events (surface processes, earthquakes etc). 2) Structure imaging using data collected in Seattle and mapping of the Seattle Fault Zone (ambient noise seismology). 3) Tracking groundwater using ambient seismic vibration in Jakarta. Internships will require proficiency in Python and/or Julia, no field work. Research opportunities are year-round, with a more active mentoring in the summer.

Drew Gorman-Lewis – [dgormanl@uw.edu](mailto:dgormanl@uw.edu) – Geomicrobiology and low temperature geochemistry, astrobiology, extremophiles, microbial energetic, microbe-metals interactions, mineral and microbial surface chemistry, mineral dissolution, aqueous complexation chemistry, lab-based research opportunities year-round