**Samuel J. Shekut**

Doctoral Student

University of British Columbia

Department of Earth, Ocean and Atmospheric Sciences

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**EDUCATION**

**University of British Columbia, Vancouver, BC** 2020-Present

PhD, Earth, Atmosphere and Oceanic Sciences.

Expected Graduation: May 2025

**University of Washington, Seattle, WA** 2016-2020

B.S., Earth and Space Sciences: Geology with Honors. Dean’s list 4 quarters.

**AWARDS & GRANTS**

NASA SURP Space Grant, U. of Washington     2019

Livingston Wernecke Memorial Scholarship, U. of Washington     2018

Julian D. and Marajane Barksdale Endowment Fund in Earth and Space Sciences, 2019 U. of Washington

**PUBLICATIONS**

1. **Shekut, Samuel J.**, Licht, Alexis A., (in press) Late Middle Miocene Emergence of the Olympic Peninsula Shown by Sedimentary Provenance. *Lithosphere*

**CONFERENCE ABSTRACTS**

1. **Shekut, Samuel J.**, Licht, Alexis A., (2019) Middle Miocene uplift of the Olympic Mountains, Washington State, shown by sedimentary provenance. American Geophysical Union Fall Meeting, San Francisco, CA.
2. **Shekut, Samuel J.**, Licht, Alexis A., (2019) Investigating the Uplift Chronology of the Olympic Mountains with Sedimentary Provenance Proxies. Geological Society of America North American Cordillera Chapter Meeting, Portland, OR.

**TALKS & LECTURES**

The Formation of Sedimentary Rocks 2019

Introductory Geology class lecture, U. of Washington

Cenozoic Evolution of the Olympic Peninsula 2018

Licht Lab Meeting, U. of Washington

**OTHER PRESENTATIONS**

**Mary Gates Research Symposium – Poster Session,** U. of Washington. 2018, 2019

“[The Enigma of the Sentinels of Washington State: When Did the Olympic Mountains First Appear?](https://expo.uw.edu/expo/apply/534/proceedings/offering_session/964)**” March 2019**

**“**[How Old Are the Olympic Mountains?](https://expo.uw.edu/expo/apply/494/proceedings/offering_session/877)**” March 2018**

**Earth and Space Sciences Research Gala – Upgoer Five Talks U. of Washington. 2018**

“When did the high rocks get so high?”

**Earth and Space Sciences Research Gala – Poster Session 2018**

**“**[How Old Are the Olympic Mountains?](https://expo.uw.edu/expo/apply/494/proceedings/offering_session/877)**”**

**FIELD EXPERIENCE**

Olympic Peninsula, Washington, USA – 2017, 2018, 2019

Stratigraphy, sedimentology

North Cascade Mountains, Washington, USA – 2017, 2018, 2019

Stratigraphy, sedimentology, fluvial geomorphology

Bison Basin, Wyoming, USA – 2017, 2019

Stratigraphy, sedimentology and paleontology

Salmon River, Idaho, USA – 2019

Tectonic and fluvial geomorphology

Dillon Area, Montana, USA – 2018

Structural geology, stratigraphy, sedimentology, fluvial and glacial geomorphology

Death Valley, California, USA – 2017, 2018

Structural geology, stratigraphy and sedimentology

Big Bend Ranch State Park, Texas, USA – 2016

Igneous petrology, structural geology

**TEACHING EXPERIENCE**

**University of Washington**

Introduction to Geology– Earth and Space Sciences 1012019

Teaching Assistant – ~5 hours/week, 25 students/quarter

Assisted students with laboratory assignments, gave sedimentary rock formation lecture

**LABORATORY EXPERIENCE**

LA-ICP-MS Laboratory, U. of Washington 2017-Present

Ran LA-ICP-MS analyses

Isolab, U. of Washington 2019-Present

Ran Nebulizer ICP-MS analyses, prepared carbonate samples for ICP-MS analysis

Zircon Extraction Lab, U. of Washington 2017-Present

Processed samples for mineral extraction, trained undergraduate and graduate students in zircon extraction procedures, maintained laboratory, scanning electron microscope imaging

Rock Preparation Lab, U. of Washington 2016-2020

Thin section preparation, rock crushing and pulverizing, Wilfley table water separation

Igneous Petrology Lab, University of Houston Downtown 2016

Ran Nebulizer ICP-MS analyses

**ADDITIONAL EDUCATION, TRAINING AND NOTEABLE COURSEWORK**

Stratigraphy and Sedimentology advanced field methods, U. of Washington         2017, 2019

Earth and Space Sciences 463: Structure and Tectonics (Graduate level course) GPA: 3.8 2019

Earth and Space Sciences 420: Intro to GIS (ArcGIS course) GPA: 3.9 2019

Earth and Space Sciences 311: Geomechanics (MATLAB course) GPA: 3.6 2018

Earth and Space Sciences 455: Stratigraphy (Graduate level course) GPA: 3.6 2018

ExxonMobil Deep Reservoir Characterization Short Course 2018

Earth and Space Sciences 400: Field Geology GPA: 3.8 2018

Igneous Petrology field and lab methods intensive, U. of Houston Downtown 2016

**OUTREACH, DIVERSITY AND SERVICE**

ESS Diversity Seminar, U. of Washington 2019

Participated in departmental workshop on diversity and inclusion in the geosciences

Nasa ANGLeS Challenge volunteer chaperone, U. of Washington 2019

Chaperoned youth teams at regional ANGLeS challenge and assisted coordination of event