

William Joel Schiffer

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Applying modern insights and approaches to traditional field studies

OBJECTIVES

Seeking a challenging and rewarding position as a geoscientist with a company which will develop my skill-sets and build on the education that I have gained. I look forward to gaining experience in a competitive workplace that utilizes my passion for geology, my strong work ethic, and my unsatiated desire to be a valuable asset for important scientific work.

EDUCATION

UiT The Arctic University of Norway, Tromsø
Norway

Master of Science in Geology

Graduation date: August 2017

See below for courses taken

University of Texas Arlington, Arlington TX USA

Bachelors of Science in Geology

Minor in Biology

Graduation date: December 15, 2012

See below for courses taken

Wenatchee High School, Wenatchee, WA USA

Graduated June 2006

Courses Taken at UiT The Arctic University of Norway

- Advanced Structural Geology
- Marine Geology
- Marine Geophysics
- Practical Image Analysis
- Deformation Processes
- Advanced Petrology
- Tectonics
- Rock Slope Failures: Geology, hazard, and monitoring
- Hard Rock Geology Field Course
- Geochemistry

Courses Taken at the University of Texas at Arlington

- Plate Tectonics
- Field Geology I & II
- Structural Geology
- Paleoclimate & Climate Change
- Paleontology
- Physical Oceanography
- Igneous and Metamorphic Petrology
- Stratigraphy & Sedimentary Petrology
- Mineralogy
- Earth History
- Earth Systems
- Toxicology
- Evolution & Ecology
- General Microbiology
- Introduction To Virology
- Cellular & Molecular Biology
- Structure & Function Of Organisms

HONORS & ACTIVITIES

- February-June 2018 - **Science Interpretation Program Volunteer** - Pacific Science Center
- 2010-2013 - University of Texas at Arlington **Geology Honors Society** member - Sigma Gamma Epsilon
- 2009-2013 - University of Texas at Arlington **Geosociety** member
- Central Washington University **Air Force ROTC** Cadet
- Awarded the Air Force ROTC **Commander's Leadership Scholarship**

CONFERENCES & PUBLICATIONS

- Schiffer, W.J. (2017). Structural and metamorphic implications of the final emplacement of the Lyngen Nappe. <http://hdl.handle.net/10037/11317>
- Schiffer, W.J. (2017, October). *Structural and metamorphic implications of the final emplacement of the Lyngen Nappe*. Poster session presented at the annual Geological Society of America meeting, Seattle, WA. <https://gsa.confex.com/gsa/2017AM/webprogram/Paper301444.html>

FIELD EXPERIENCE

Structural and Metamorphic Analysis of a Caledonian Nappe Contact, Lyngen, Norway 2016-2017

This master thesis project was aimed at interpreting the kinematic and metamorphic nature of a contact between two nappes in the Scandinavian Caledonides. Field work was carried out in Summer 2016, which included the collection of structural and kinematic data, as well as sampling from different geologic units. The following winter and spring were used to prepare thin sections from the field samples, analyze the sections and their microstructures using polarization microscopy and SEM/EBSD techniques, create thermodynamic models, and interpret the analyses into a coherent and presentable thesis. Completion of this project led to the awarding of a MSc degree in Geology.

Field Research Assistant, Svalbard Summer 2016

This position required the logistical support and assistance of geologic field data acquisition for a masters degree thesis project. Turbidite flows were recorded and described in a sandstone unit occurring on Hyrnestabben, located on the inner part of Van Keulenfjorden in Southern Svalbard. Over the course of our field work, stratigraphic columns were created for several profiles around the mountain.

Structural and Stratigraphic Analysis of Northern New Mexico Geology, USA Summer 2011

This project detailed the regional structure and stratigraphy of several formations spanning a large area of northern New Mexico, including the Sangre de Cristo formation, Porvenir and Alamitos formations of the Madera Limestone, Sandia formation, and the Espiritu Santo formation. The survey area spanned from the Carson National Forest near El Rito, NM to the geology rich mountains near Las Vegas, NM. After acquiring field data including formation boundaries, strike and dip measurements, and GPS elevation coordinates we constructed a regional structure map that detailed the effect of the Sierra Grande Uplift on the formations. We also created a stratigraphic profile of all of the formations we observed, plotting thicknesses and trends, then identifying the depositional environment and evaluating this information to determine the geologic facies. This project signified the completion of the keystone field course in the B.S. of Geology Program.

RELEVANT PROFESSIONAL EXPERIENCE

- Washington State Parks, Coulee City, WA USA 6/2018-9/2018
Parks Interpretive Assistant, Sun Lakes-Dry Falls State Park: Provide science and natural history interpretation and guided tours to visitors, assisting in daily gift shop operations, and research and develop interpretive material and exhibits.
- Whatcom Community College, Bellingham, WA USA 4/2018-6/2018
Adjunct Faculty, Geology: Teaching geology course, Natural Disasters, covering a variety of topics, such as earthquakes, landslides, storms, and volcanoes.
- Norsk Polarinstitutt/Norwegian Polar Institute, Tromsø, Norway 4/2017-8/2017
Forskningstekniker/Research Technician: Catalogue rock samples into a digital database
- Vandergriff Toyota, Arlington, TX USA 9/2013 – 7/2015
Parts Specialist: Manage, organize, and receive parts in the warehouse. Customer service representative duties included looking up parts, sales and deliveries.