

## 2020 CSEG Scholarship Report and Winners

Every year the CSEG Scholarship Committee awards scholarships to deserving candidates in continuing education across Canada. In the 2020 scholarship year, 27 high-quality applications were received from across Canada and 8 scholarships of \$2,000 were awarded. There were also 2 High School students awarded a scholarship of \$500 for University Entrance.

In order to qualify for a university student award, students must be enrolled at a Canadian university in an academic program leading to a career in exploration geophysics. Scholarships are awarded on the basis of academic performance, financial need, interest in geophysics and extra-curricular activities. In 2012, the Foundation introduced a new scholarship in response to the emergence of geoscience technology programs across the country. To be eligible for this scholarship, students must be enrolled full-time at an accredited educational institution in Canada leading to a degree in geoscience technology. In addition to continuing the award of technologist scholarships, the Foundation awards two new university entrance scholarships to high school students. Scholarships are awarded to students who are planning on pursuing a science-based post-secondary education or are the children of CSEG members.

For students to apply for scholarships for 2021 please visit:

<https://cseg.ca/students/scholarships>

The CSEG Scholarship Committee is part of the CSEG Foundation, and is run each year by a minimum of three volunteers tasked with assessing scholarship applications. Scholarships are funded primarily through corporate and individual donations, and through interest generated by memorial trust funds. If you are interested in contributing, we are gratefully accepting donations. Please contact a member of the committee or mail funds to the CSEG office with cheques payable to the CSEG Foundation. We ask that you clearly indicate that the funds are for a CSEG scholarship. All donations are tax deductible and a charitable donation receipt will be issued.

The CSEG Scholarship Committee would like to thank all of the generous scholarship sponsors for their support in 2020. Such sponsorship contributes greatly to the education of geophysics students, and to the advancement of the field of geophysics.

**Respectfully submitted by**

**DARREN HINKS**

CSEG SCHOLARSHIP COMMITTEE CHAIR

**STEVEN QUAN**

SENIOR TRUSTEE

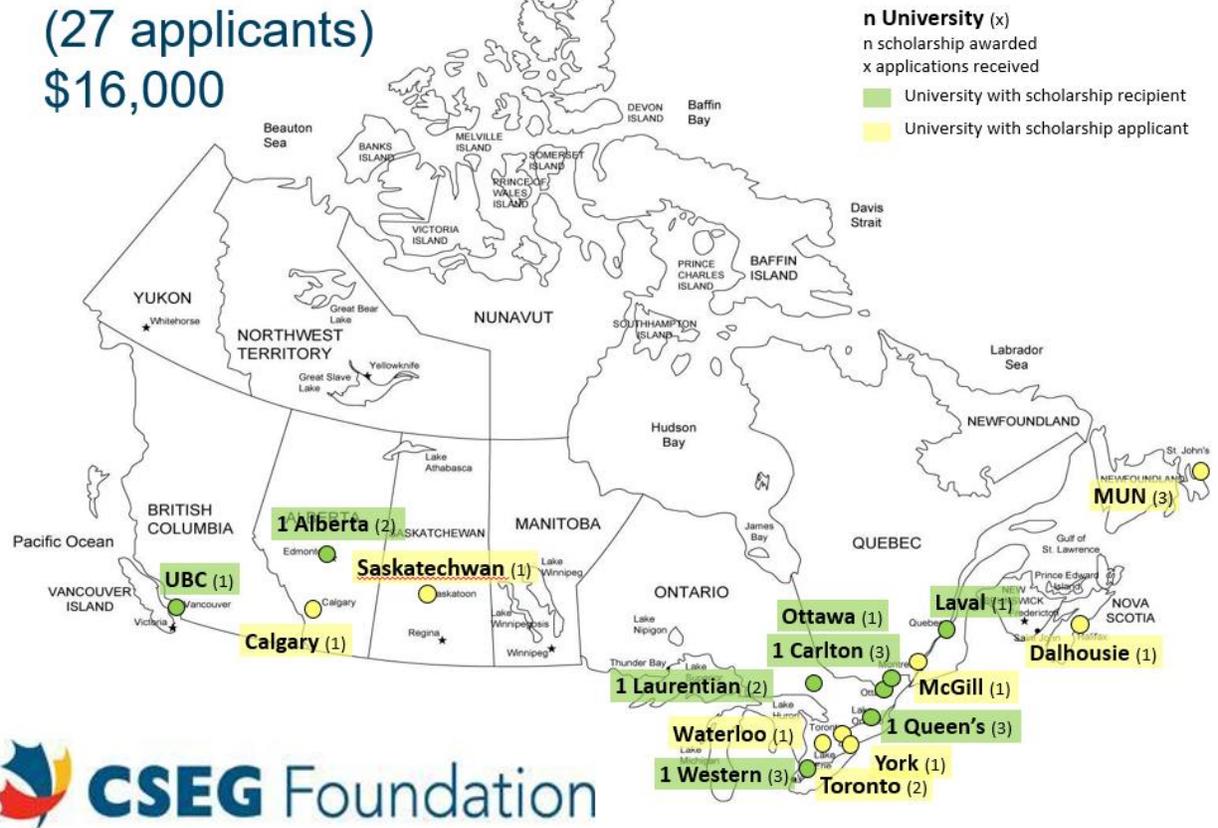
**LORI BARTH**

JUNIOR TRUSTEE

# 2020 – 8 Scholarships Awarded

(27 applicants)

\$16,000



## Taylor Tracey Kyryliuk

UNIVERSITY OF OTTAWA,  
 CSEG SCHOLARSHIP SPONSOR: ATHENA

Taylor is a Master’s student at the University of Ottawa. They did their undergraduate degree in Physics at the University of Windsor with research focused on quantum modelling. A course of study taken abroad in Iceland examining the geology of the region during their undergraduate was a first step towards moving into the post graduate program in geophysics. Taylor now works on a project using teleseismic waves to image subsurface structures in the Earth. Their research interests include subduction zones, data/signal processing and software development.



## Leah Davis-Purcell

UNIVERSITY OF WESTERN ONTARIO,  
CSEG SCHOLARSHIP SPONSOR:  
ANONYMOUS

Leah is currently in her third year of an undergraduate degree in Earth Science with a specialization in geophysics at Western University in London, Ontario. She has a particular interest in planetary geophysics and has worked in a number of roles for Western's Institute for Earth and Space Exploration. She also acts as current vice-president for Western's chapter of SEG (Society of Exploration Geophysicists). In the future, Leah would like to further her studies in geophysics in the hopes of using her skills for the research and protection of the environment.



## Christina Rutherford

UNIVERSITY OF BRITISH COLUMBIA,  
CSEG SCHOLARSHIP SPONSOR:  
MEMORIAL FUND

Christina is a second year science student at the University of British Columbia. She is excited to have declared her Major in Geophysics. Christina's scientific interests include environmental sciences, astronomy, kinematics and thermodynamics to name a few. She hopes her studies will prepare her for a future in creating environmental solutions to aid the climate crisis. This is an issue particularly important to her since she spends lots of time in the wilderness of BC. She is looking forward to exploring all the options UBC's Geophysics program has to offer. Her hobbies include hiking, camping, skiing and painting.



## Alexi Morin

UNIVERSITÉ LAVAL, CSEG  
SCHOLARSHIP SPONSOR:  
ANONYMOUS

Alexi is currently a third-year undergraduate student in geological engineering at Université Laval, in Québec. Deeply fascinated by mathematics and an avid outdoors enthusiast, earth sciences were the perfect way to match those interests. He has taken a great interest for inverse problems during an internship at the Simon Fraser University Glaciology Group where



he studied Bayesian inversion of ice thickness. Amazed by their physical but also statistical nature, he plans to pursue graduate studies on inverse problems applied to the earth sciences, where he hopes to sharpen his skills in scientific computing, machine learning and mathematics.

## Kaitlyn de Moree van Lierd

CARLETON UNIVERSITY,  
CSEG SCHOLARSHIP SPONSOR: DOODLEBUG

Kaitlyn is in her third year of her Honours B.Sc. in Earth Sciences with a concentration in Geophysics at Carleton University. She has a particular interest in gravitational and magnetic methods for mineral exploration. Currently she is a research assistant for the Large Igneous Province Commission under Dr. Richard E. Ernst, where she works on paleomagnetic reconstructions as well as their large igneous provinces geochronology and references databases. In the future she hopes to work in the field of mineral exploration, as the prospect of a career based on field work and geophysical data analysis greatly interests her. In her spare time, she can be found rock climbing both in a gym and outdoors, as well as weightlifting, hiking, fixing her car, and going on rockhounding excursions.



## Ryan Borowiecki

UNIVERSITY OF ALBERTA,  
CSEG SCHOLARSHIP SPONSOR: ATHENA

Ryan completed his B.Sc. specializing in Geophysics and M.Sc. in Petroleum Geoscience at the University of Alberta (U of A). Currently, he is pursuing a Ph.D. at the U of A in Geophysics under the co-supervision of Dr. Vadim Kravchinsky and Dr. Mirko van der Baan. His research focuses on time series analysis of paleoclimate records through the Quaternary and Neogene, and the mechanisms controlling global climate during those times. Part of this work included a 3-month trip to rural China to collect high-resolution soil samples and prepare them for laboratory measurements. In addition to helping organize the annual Geophysics Field School at the U of A, Ryan has spent several summer terms working in industries including Oil and Gas, as well as in the environmental and civil sectors. In his free time, Ryan enjoys restoring classic cars, camping, skiing, and other outdoor activities.



## Rebecca Montsion

LAURENTIAN UNIVERSITY,  
CSEG SCHOLARSHIP SPONSOR: ANONYMOUS

Rebecca (Becki) is a cotutelle PhD Candidate at Laurentian University's Mineral Exploration Research Center (MERC) in Sudbury, Canada and the University of Western Australia's Center for Exploration Targeting (CET) in Perth, Australia. Her work focuses on improving mineral exploration using computer-based techniques and multi-disciplinary geoscientific datasets. Currently, she is focused on developing feature engineering techniques to gain new geological knowledge from legacy data such as geospatial compilations, geophysical datasets, structural databases, and geochemical analyses.



Rebecca has 8 years of experience with geophysical interpretation, 3D geological modelling, and geostatistical analyses. In 2017, she completed a Master’s of Science in Earth Science at the University of Ottawa, where she tested 3D geological modelling methods in regionally extensive and structurally complex settings. She worked as a research assistant for four years with the Geological Survey of Canada in their 3D Earth Imaging and Modelling group and for one year as a geospatial specialist with MERC. In 2017 Rebecca and a team of early career geoscientists also won the Frank Arnott Award Challenge in the international industry-level category.

## Stephanie Bringeland

QUEEN’S UNIVERSITY,  
CSEG SCHOLARSHIP  
SPONSOR: ROB SHUGG

Stephanie has a degree in Geological Engineering from Queen’s University, and has remained at Queen’s to pursue a Master of Engineering in the Geophysics & Geodesy lab under Dr. Georgia Fotopoulos and Dr. Alexander Braun. Her official thesis is yet undecided, but she is currently working on a project to explore the potential use of ground penetrating radar to identify and map sublunar lava tubes. She is continually excited by new ways of applying geophysics, and enjoys being outdoors in her spare time.

