

# Dylan Wade Young

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## Professional Summary:

*Eager M.Sc. graduate with a demonstrated history of higher education and geological research, ready to start my geological/geophysical career. Skilled in both field and laboratory settings, with a strong emphasis in analytical methods, Surfer 8, Microsoft Office, Geophysics, Geology, Communication and Teamwork. Strong professional with a Master of Science (M.Sc.) in Geology degree, focused on Radiogenic Heat Production, Geophysics, and Geothermal Energy from the University of North Dakota*

## Education & Honors:

### Master of Science in Geology

University of North Dakota, Grand Forks, ND

Specialization: Radiogenic heat production, geophysics, & geothermal energy

*Thesis: A radioelement analysis of the Northern Black Hills, South Dakota, U.S.A.*

DEC 2017

GPA: 3.6

### Bachelor of Science in Geology; minor in Chemistry

University of North Dakota, Grand Forks, ND

Specialization: Geothermal energy, radioactivity, analytical methods

*Thesis: The potential of thorium mining in the granitic rocks present along the Minnesota River and Minnesota River Valley*

MAY 2014

GPA: 3.4

### Honors:

- **Segal AmeriCorps Education Award** JUL 2017
- **North Dakota Space Grant Consortium Graduate Fellowship** MAY 2015
- **Order of the Lamp Honors Society Award** MAY 2014
- **Sigma Gamma Epsilon Field Camp Award** APR 2013
- **Sigma Gamma Epsilon Earth Science Honors Society Initiated Member** MAY 2012
- **Eagle Scout** MAR 2008

## Related Professional Experience:

### Graduate Assistant

JAN 2016 – JUL 2017

University of North Dakota, Grand Forks, ND

Expedited the Engineering Department's Distance Engineering Degree Program as liaison between the student and the faculty by:

- Downloaded & printed student's assignments and exams from online server
- Uploaded graded assignments, exams, & reporting grades
- Facilitated communication between online students, professors, & departments

Aided the Academic Support Services, Student Success Center, & Disability Services by:

- Provided feedback to the development of new graduate student handbook
- Updated connections to university resources which help support the educational development of new and current undergraduate students

### Engineering Geologist Summer Intern

JUN 2014 – AUG 2015

Geo-Tech Division, U.S. Army Corps of Engineers, St. Louis, MO

Contributed in field investigation and exploration along the St. Louis District levee system by:

- Supervised subcontractors during drilling processes, which provided successful soil & rock core extraction of the MESD Cutoff Wall
- Conducted rock core log analysis & verification, soil classification, & sample preparation to allow for successful lab testing and categorizing
- Led the operation of the dilatometer & other analytical equipment required for successful field investigations

**Chemistry Laboratory/Teaching Assistant**

AUG 2010 – MAY 2015

Chemistry Department, University of North Dakota, Grand Forks, ND

Supported the Chemistry Department's General Chemistry 121 &amp; 122 laboratory sections by:

- Attended mandatory meetings & discussions prior to each weekly lab session, to cultivate each student's education
- Instructed one to two lab sections per semester, with 25 students present in each, by providing safety protocols, demonstrating new chemical methods & reactions, & assisting students throughout the experiment to completion
- Fairly graded student's lab assignments & exams, & proctored lecture exams

**Sample Preparation Technician**

SEP 2014 – NOV 2014

Geology and Geological Engineering Department, University of North Dakota, Grand Forks, ND

- Carefully prepared rock samples from the North Dakota Geological Survey's Rock Core Library, to allow for accurate advanced core analysis & high resolution digital imaging provided by PetroArc, Inc.

**Geothermal Research & Lab Assistant**

JAN 2013 – JAN 2014

Geology &amp; Geological Engineering Department, University of North Dakota, Grand Forks, ND

Assisted the Geology Department's Geothermal Laboratory by:

- Analyzed radioelement contributions through gamma-ray spectrometry to measure the U, Th, & K content in rock samples provided by the MN Geological Survey, allowing for potential geothermal resources estimation of Minnesota
- Collected, prepared, & analyzed igneous rock samples along the Minnesota River Valley, while concurrently developed an undergraduate research thesis
- Participated in well log analysis of North Dakota oil fields by collecting data necessary for accurate estimations of ND geothermal potentials and heat flow values

**Community Involvement & Leadership Experience:****Vice President**

NOV 2014 – Current

Zeta Gamma of Pi Kappa Phi Fraternity Housing Corp, Inc., Grand Forks, ND

- Head of the chapter house committee, responsible for supervising & implementing housing repairs
- Conducting research & planning for future housing improvements, & inventory assessments

**AmeriCorps Team Member & Volunteer**

OCT 2016 – JUN 2017

Grand Forks, ND

- Provided free tutoring to elementary and high school students of various underrepresented ethnic diversities, financial, and/or mental difficulties, which successfully improved student grades
- Helped Global Friends volunteers with the New Americans Program, & Accommodated English learning classes

**Students Today and Leaders Forever Member:**

MAR 2011 – MAY 2017

Student volunteering organization, University of North Dakota

- Developed leadership and teamwork while providing local community services
- Provided services to homeless shelters, assisting in community clean ups, & seasonal maintenance
- Bus Core Leader: Organized & lead a bus of 40 students on an alternative volunteering spring break across the United States to Washington, D.C. in 2012, which left positive impacts to small communities along the way

**President**

JUN 2015 – JAN 2016

Geothermal Resources Council Student Chapter, University of North Dakota

**Certifications:****OSHA 40-Hour HAZWOPER Initial & Renewal**

APR 2016 – APR 2018

Environmental Training Institute, University of North Dakota, Grand Forks, ND

**AHA Heartsaver CPR/AED & First Aid Training**

FEB 2018 – FEB 2020

**Skills:**

- International Field Mapping
- Microsoft Office
- Sample Preparation
- Self-motivated
- Geology & Geophysics
- Surfer & ArcGIS
- Risk Assessment
- Teamwork & Leadership
- Analytical & Statistical Methods
- International & National Mobility
- Public Speaking
- Quick learner