

Rory T. Johnson

(573) 341-4343 · efg4@mst.edu · <https://www.linkedin.com/in/mockexample-55992235/>

Objective

To obtain a full-time position in the field of Geological Engineering

Education

Missouri University of Science and Technology May 2020

Ph.D. Geological Engineering **GPA: 3.9/4.0**

Dissertation: "Developing Improved Strategies of Remediating Arsenic Contaminated Aquifers."

University of Sydney Dec 2017

M.S. Geological Engineering **GPA: 3.7/4.0**

Thesis: "The Evaluation of Long-Term Statistical Parameters of Rain Events."

University of Sydney May 2014

B.S. Geological Engineering **GPA: 3.8/4.0**

Emphasis: Groundwater Hydrology and Contaminant Transport

Experience

Missouri University of Science and Technology Rolla, MO

Graduate Research Assistant Aug 2018-Present

- Performed research in the area of improving drinking water systems in developing areas
- Summarized current literature to determine future novel research endeavors
- Prepared experiments, analyzed data and created reports
- Developed presentations and research papers for publication

University of Sydney Sydney, Australia

Graduate Teaching Assistant Aug 2016-Dec 2017

- Instructed undergraduate introductory geology laboratory course
- Assisted professor in leading/teaching a variety of geology lectures and updated lab manuals and answer keys when requested
- Tutored students with assignments and understanding of geology topics
- Graded labs, reports, quizzes and exams

University of Sydney Sydney, Australia

Graduate Research Assistant Aug 2015- Dec 2017

- Gained experience working in laboratory environment
- Prepared findings into a formal presentation and published journal article

University of Sydney Sydney, Australia

Volunteer- Engineers without Borders May- Aug 2014-2017

- Provided remote assistance and travel internationally for short and long-term assignments consisting of water quality in rural and developing regions
- Designed and conducted maintenance on water systems including wells, manual and power pumps and connections to access points
- Applied and created sanitation methods including pit latrines, septic system design and flush toilets
- Communicated effectively with people of diverse interests, values and perspectives

Phelps County Fire Department

Rolla, MO

Firefighter and EMT

Oct 2008-Jun 2010

- Controlled, contained and extinguished fires
- Administered first aid and artificial respiration to individuals adversely affected or injured by fires, trauma or smoke
- Assessed patients' needs to determine how best to provide life support services during medical emergencies
- Answered emergency situations quickly, assessed conditions, and reacted appropriately to assist victims, contain fires and prevent escalation

Skills

Computer:

- MS Office Suite - GIS - DecisionSpace - Earth Modeling in 2D and 3D

Language:

-English - French

Publications

Johnson, R.T. and Colley, S. "The Evaluation of the Long Term Statistical Parameters of Rain Events." Geological Engineering, 15 (3), 13-25, 2018.

Smith, J. and **Johnson, R.T.** "Remediation technologies for arsenic-contaminated soils and groundwater: an evaluation" Elsevier, Vol. 3. Issues 1-5, 192-2010, 2017.

Presentation

NABG Conference: The Evaluation of Long Term Statistical Parameters of Rain Events. Houston, Texas, Oct. 2017.

Volunteerism

- Engineers without Borders
- Engineers in Action

Honors & Activities

- Geological Society of America (GSA)
- National Association of Black Geoscientist
- Missouri University of Science and Technology C.L. Dake Geological Society
- Missouri University of Science and Technology Spelunkers Club
- University of Sydney Volleyball- **Captain**