

My areas of interest include sustainability; water and energy infrastructure; solid waste management and solutions; environmental monitoring and compliance programs; life cycle assessment analyses; renewable and alternative energy sources and storage; and research and development projects.

PROFESSIONAL PREPARATION

Master of Science (2016, expected): Civil Engineering, University of Toledo

Bachelor of Science (fall 2013): Civil Engineering, University of Toledo, *cum Laude*

AustraLearn (spring 2011): Study Abroad Program, Civil Engineering, University of Newcastle, New South Wales, Australia

PROFESSIONAL APPOINTMENTS

Civil Engineer I (December 2013 – Present): Hull & Associates, Inc.

Graduate Research Assistant (December 2013 – Present): Civil Engineering Sustainability Research Lab, University of Toledo

Graduate Teaching Assistant (January 2014 – May 2014): Fluid Mechanics for Civil Engineers, University of Toledo

Civil Engineering Intern/Co-op (January 2011 – December 2013): Hull & Associates, Inc.

PUBLICATIONS and PRESENTATIONS

University of Toledo Climate Action and Cost Reduction Plan, 2014

- **Phillips, R.**, Jabbo, R., Foresthofel, E., Hershberger, R., Apul, D., Mason, B., Johnson, D., Williams, S. (2014), "UT Climate Action and Cost Reduction Plan" (**non-peer reviewed**).

Journal of Environmental Management, 2013

- Devkota, J., Apul, D., Schlachter, H., Anand, C. **Phillips, R.** (2013) Development and Application of EEAST: A Life Cycle Based Model for Use of Harvested Rainwater and Composting Toilets in Buildings (**peer reviewed**).

University of Toledo Climate Action and Cost Reduction Plan, 2014

- **Phillips, R.**, Jabbo, R., Foresthofel, E., Hershberger, R., Apul, D., Mason, B., Johnson, D., Williams, S. (2014), "UT Climate Action and Cost Reduction Plan"

Borchardt Conference, University of Michigan, 2014

- "Development of a Stormwater Impact index for Life-Cycle Assessments" poster

Civil Engineering Senior Design Presentation, University of Toledo, 2013

- **Phillips, R.**, Wilkinson, R., Lucas, K., Motsinger, J., Buchman D. (2013), "Green Stormwater Improvements"

Sustainable U Conference, University of Toledo, 2013, Posters at the Capitol , Columbus Ohio, 2013, American Water Works Association Ohio Section, Young Professionals Chapter, 2012

- "Economic and Environmental Evaluation of Reducing Potable Water Use by Rainwater Harvesting" poster

PROFESSIONAL REGISTRATIONS and AFFILIATIONS

- Engineer Intern: The State Board of Registration for Professional Engineers and Surveyors of the State of Ohio
- American Water Works Association (AWWA) Young Professionals Committee
- United States Green Building Council, Northwest Ohio Chapter (NWOC of USGBC)
- Toledo-Lucas County Sustainability Commission (TLCSC)

CERTIFICATIONS and TRAINING

- OSHA 40-Hour HAZWOPER Training: Certificate Number 2012-85, May 2012
- OSHA 8-Hour Annual Refresher
- American Red Cross Certification: First Aid, Adult CPR, AED-Adult, renewed annually
- College of Business and Innovation Advanced Leadership Academy Scholarship (Selected by Dean), 2014