Ryan Thomas Hilton

Address:
1335 Dreibelbis Street, State College, PA 16801
Apartment 322

Phone:
717-262-5571

Email:
rth14@psu.edu

EDUCATION

Pennsylvania State University, University Park, PA
M.S., Petroleum and Natural Gas Engineering; Graduating – May, 2018; GPA – 3.95
B.S., Petroleum and Natural Gas Engineering; Graduated – May, 2016; GPA – 3.73

- Awards/Scholarships: William and Rosemary Daugherty Trustee Scholarship; The Edwin L. Drake Memorial Scholarship; Fred W. Kumpf Scholarship

EXPERIENCE

Petroleum Engineer Intern
May 2017 to August 2017: Chevron Africa and Latin America Exploration and Production Company – Houston, TX

- Conducted an analog benchmarking study of an offshore deepwater field for the Nigeria/Mid-Africa Business Unit.

Research Assistantship
August 2017 – Present: The Pennsylvania State University, Department of Earth and Mineral Engineering – University Park, PA

- Big data analytics in unconventional gas reservoirs.

Teaching Assistantship
August 2016 to May 2017: The Pennsylvania State University, Department of Earth and Mineral Engineering – University Park, PA

- PNG 406 – Rock and Fluid Property Laboratory; PNG 480 – Production Process Engineering

Project Management Internship
July 2016 to May 2017: The Pennsylvania State University, Department of Online Outreach and Education

- Evaluated project metrics for Penn State World Campus and Learning Design.

Researcher, Bioenergy Scholar Program
May 2015 to August 2015: USDA Northeast Biomass Consortium (NEWBio) – University Park, PA

- Investigated the performance of biomass as a potential industrial sorbent.
- Presented the results at the NEWBio Symposium and completed a research paper on the findings.

Internship
May 2010 to January 2015: The Pennsylvania State University Cooperative Extension Agency – Gettysburg, PA

- Assisted Carnegie Mellon University researchers in the characterization and implementation of new automation technologies for fruit growers.

Research Assistant
May 2012 to August 2012: The Pennsylvania State University, Department of Agricultural and Biological Engineering – University Park, PA

- Researched the most effective running conditions for a small-scale pelletizer that produces pellets made primarily of switchgrass. Co-authored a research report published by the American Society of Agricultural and Biological Engineers Journal.

SKILLS

- Proficient in SpotFire, Microsoft Office, MATLAB, CMG GEM/IMEX, Mathematica, SGeMs.
- Basic Skills in ArcGIS, C++, Python, R, VBA, FORTRAN 95, Autodesk Inventor, and E-Quest.

PUBLICATIONS

- Ciolkosz, D., Hilton, R., Swomley, D., Yi, H., Puri, V., and G Roth. 2015. Farm-Scale Biomass Pelletizer Performance for Switchgrass Pellet Production. Applied Engineering in Agriculture 31(4)559-567.