

## PETER HAGEN

5055 Rapidan place ♦ Annandale, VA 22003 ♦ (703) 332-9441  
peterhag@vt.edu ♦ [Linkedin Page](#) ♦ [Portfolio Website](#)

---

### EDUCATION

---

**Virginia Polytechnic Institute and State University**  
*Bachelor of Science in Industrial and Systems Engineering*

*Blacksburg, VA*  
*Aug 2011 - December 2015*

- Minor in Business
- In-Major GPA: 3.058
- Overall GPA: 3.003
- Club Lacrosse Travel Team Member

#### **Coursera**

*Data Science Specialization through Johns Hopkins*

*Online*  
*May 2016 – September 2016*

- Classes completed for specialization: The Data Scientist's Toolbox, R Programming, Getting and Cleaning Data, Exploratory Data Analysis, Reproducible Research, Statistical Inference, Regression Models, Practical Machine Learning, Developing Data Products, and Data Science Capstone
- 

### WORK EXPERIENCE

---

**National Rural Electric Cooperative Association (NRECA)**  
*Business Technology Strategies Intern*

*Arlington, VA*  
*May – Aug 2015*

- Part of the solar project technical team responsible for evaluating engineering designs to install solar panels on the roof of NRECA headquarters. This included researching vendor options for racking, equipment, and installation. This also involved contacting these vendors, scheduling visits, and discussing problems with building operations.
  - Reorganized engineering reports on the NRECA webpage by serving as intermediary between the Engineering Department and the IT Department. The task included consolidating files and writing up a technical summary to follow each entry.
  - Authored an internal report on drones and their relationship with electric cooperatives. Drone use may be in the future for Electrical Cooperatives. The BTS department wanted to be up to date on the current state of drone FAA regulations as well as current and upcoming drone technologies.
- 

### ISE SENIOR DESIGN PROJECT

---

**Carilion Rehabilitation Center**  
*Rehab Facility Layout Team*

*Roanoke, VA*  
*Sept 2014 - May 2015*

- Used 5S methodologies (sort, straighten, shine, standardize, sustain) to reorganize the rehabilitation facility in the hospital
  - Designed alternative office facility layout to increase worker space and created models in Google Sketchup and AutoCAD
- 

### TECHNICAL SKILLS

---

Excel, Word, PowerPoint, Access, R, Python, D3.js, Javascript, HTML, SQL, Git, CSS