

PETER HAGEN

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EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, VA

Graduated December 2015

- Bachelor of Science in Industrial and Systems Engineering with a minor in Business
- In-Major GPA: 3.058
- Overall GPA: 3.003
- Club Lacrosse Travel Team Member

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 and scheduling times to visit and discuss 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.

International Volunteer Headquarters

Roving Volunteer

Rio de Janeiro, Brazil

Feb - May 2012

- Taught basic English speaking skills to residence in lower income area, this required learning some basic Portuguese
- Maintained a community garden that used recycled material from the surrounding town. The plants went back to the community to be used as decoration, food, and medicinal purposes.

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, Excel Solver, MS Access, Word, PowerPoint, AutoCAD, Inventor, Simio, R, Python, D3.js, Javascript, HTML, C++, MATLAB, SQL Servers, Mathematica, Github