

# Alexandra Ryder, E.I.T.

## Electrical Engineer

Philadelphia, PA - Email me on Indeed: [indeed.com/r/42b263d976f56568](https://www.indeed.com/r/42b263d976f56568)

### WORK EXPERIENCE

#### Electrical Engineer

Pepco Holdings, Inc - Newark, DE - May 2012 to Present

Member of Transmission Planning team in the Asset Strategy and Planning department

- Company representative to PJM; the regional transmission organization
- Company representative to Reliability First Corporation (RFC); the regional enforcer of reliability standards under the North American Electric Reliability Corporation (NERC)
- Determine, communicate, and maintain transmission circuit ratings and associated database
- Create and maintain transmission system cases to be analyzed
- Perform various types of system analysis including thermal and voltage studies
- Develop and sponsor transmission level projects to mitigate potential system violations
- Work with prospective and existing transmission level electric customers
- Participate in storm duty when necessary
- Organized company job shadow event for 24 high school students

#### Electrical Engineer Intern

Pepco Holdings, Inc - Newark, DE - May 2011 to August 2011

Create and update electric system drawings using various types of software

- Perform thermal and voltage system analysis
- Work with multiple departments to collect project details
- Make recommendations for placement of transmission system equipment
- Collect and input project information to aid company in the asset distribution process
- Improved procedure for updating the impedance and rating database for transmission circuits

#### Math and Engineering Tutor

Pennsylvania State University - Harrisburg, PA - September 2010 to December 2010

September 2010 - December 2010

- Tutor students in subjects including Calculus, Algebra, Computer Programming, and Computer Engineering

### EDUCATION

#### Bachelor of Science in Electrical Engineering

Pennsylvania State University - Harrisburg, PA

2012

### ADDITIONAL INFORMATION

#### Computer Skills

Adobe, Bentley MicroStation, CorelDraw, IBM Lotus Notes, Matlab, Microsoft Access, Microsoft Excel, Microsoft PowerPoint, Microsoft Visio, Microsoft Word, Osisoft Pi, Power

System Simulator for Engineering (PSSE), Primavera, SAP, ZTable Database