

# Brigitte Pastore

## Graduate Research Assistant - US EPA Grant for Sustainable

Roeboling, NJ - Email me on Indeed: [indeed.com/r/Brigitte-Pastore/b071f8217af69](https://www.indeed.com/r/Brigitte-Pastore/b071f8217af69)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

## WORK EXPERIENCE

### Process Improvement Contract Engineer

Shiseido America Inc. through Aerotek - East Windsor, NJ - February 2016 to Present

#### Responsibilities

- Worked on a cross functional team to analyze the QC inspection processes for cosmetic production
- Used process improvement methodologies such as Lean, Six Sigma, and DMAIC to design and evaluate a new QC inspection process
- Managed and audited the 6S Workplace Organization Program

### Graduate Research Assistant

Rowan University - Glassboro, NJ - July 2014 to Present

#### US EPA Grant for Sustainable P2 Design for Batch-Based Specialty Chemical Manufacture

- Designed processes to reduce hazardous solvent waste and wastewater from a specialty chemical manufacturing process at the DuPont Parlin, NJ Plant
- Analyzed alternative processes using environmental and economic metrics
- Led a team of eight undergraduate chemical engineering students
- Presented at the Green Chemistry and Engineering Conference, July 2015, North Bethesda, MD
- Presented at US EPA Region 2 Pollution Prevention Week, September 2015, New York, NY

### Teaching Fellow

Rowan University - Glassboro, NJ - July 2014 to August 2015

- Engineering Instructor for Sophomore Engineering Clinic I and II
- Led teaching circles to facilitate communication among Sophomore Engineering Clinic 1 instructors

### Undergraduate Researcher

Rowan University - Glassboro, NJ - September 2012 to August 2014

#### Responsibilities

##### Nanocatalytic Combustion Research

- Explored combustion behavior and operational regimes for alternative fuels
- Presented research at the 2014 American Chemical Society and Younger Chemists Committee Poster Session in Philadelphia, PA
- Presented research at the 2013 and 2014 Rowan University STEM Symposiums

### Laboratory Assistant

Rowan University - Glassboro, NJ - January 2013 to May 2014

Assisted with experiments for Freshman Engineering Clinic, Separations, and Fluid Mechanics classes

### Summer Intern

International Asbestos Testing Laboratories - Mount Laurel, NJ - May 2013 to August 2013

Analyzed air samples for asbestos using a transmission electron microscope (TEM) along with selected area electron diffraction and energy dispersive x-ray spectroscopy

### **Summer Intern**

Johnson & Johnson - Fort Washington, PA - May 2012 to August 2012

- Worked full time in the Operations Engineering department for a three month period
- Tagged process equipment throughout the plant using piping and instrumentation diagrams
- Created Turn Over Packets, to assist in the commissioning of new equipment, by determining documentation requirements for each piece of equipment based on its characteristics

### **Internship**

Johnson & Johnson - Fort Washington, PA - May 2011 to August 2011

- Worked full time in the Engineering department over a three month period
- Designed new packaging lines for various products made by McNeil Nutritionals
- Utilized Lean Six Sigma Green Belt training to analyze line qualification data

## **EDUCATION**

### **Master of Science in Chemical Engineering**

Rowan University - Glassboro, NJ  
2014 to 2015

### **Bachelor of Science in Chemical Engineering**

Rowan University - Glassboro, NJ  
2010 to 2014

## **CERTIFICATIONS**

### **Engineer In Training (EIT)**

September 2014

## **ADDITIONAL INFORMATION**

### **Computer Skills**

Microsoft Office, Aspen Plus, Aspen Economic Evaluation, SimaPro, Statgraphics, POLYMATH, Mathematica