

# Nino Bonanno

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Nino-Bonanno/0f88bffdee415839](https://www.indeed.com/r/Nino-Bonanno/0f88bffdee415839)

Authorized to work in the US for any employer

## WORK EXPERIENCE

### Continuous Improvement Engineer

Veolia North America - Philadelphia, PA - March 2015 to Present

#### Responsibilities

- Developed effective solutions to improve industrial cleaning and maintenance operations by improving unit prices, reduced man hours, decreased downtime, and waste reduction
- Built an electronic service receipt program and database to reduce the need for handwritten paperwork in the field, ultimately reducing billing errors and payment delays; also allowing for more accurate data collection
- Drove hands free water jet technology in an effort to continually increase safety, potential for environmental deviations, and increase cleaning consistency and efficiency

### Researcher

Drexel University - Philadelphia, PA - June 2014 to June 2014

June/2014 - June/2015

- Collaborate with a group of four students on theoretical grease-to-biodiesel plant design
- Develop efficient extraction process to separate lipids from scum grease for conversion into biofuel
- Communicate with team members regarding research, planning, and design phases of the project
- Develop encompassing feasibility analysis on technical and economical basis

### Manufacturing Engineer Co-op

E. I. DuPont Chambers Works - Deepwater, NJ - September 2013 to March 2014

Upgraded Zonal Intermediates vent valve system on DCS to prevent product loss, resulting in increased earnings of \$50K/Year

- Improved alarm management practices for the Dry Film production lines through an alarm rationalization project
- Conducted PTFE Grease qualification and final specification study to eliminate wasteful testing procedures
- Assisted on EO area building decommissioning, and equipment removal and disposal

### Manufacturing Engineer Co-op

E. I. DuPont Chambers Works - Deepwater, NJ - September 2012 to March 2013

Participated in FMEA and PHA as a Technical Resource Assistant for PC East (Performance Chemicals), and updated PSM

documentation for the 185 Bldg

- Led distillation optimization project using DMAIC six sigma methodology for Acrylate products in 185 Bldg., resulting in possible earnings of \$100K/Year and decreased cycle times
- Supported PC Black Belt continuous improvement project for 185 Bldg. phosphate product, resulting in quality improvement and potential hard savings

### Technology Engineer Co-op

G.E. Aviation, Ceramic Composite Products - Newark, DE - September 2011 to March 2012

Integrated newly acquired FTIR technology into CCP for advanced fiber coating analysis

- Designed and conducted experimental test to improve automated fiber handling systems
- Led Army funded program through final part production and report out, presented weekly updates to Army representatives, and scheduled part production

Brown Grease-to-Biodiesel Production Facility Philadelphia, PA

## EDUCATION

### **Bachelor's in Chemical Engineering**

Drexel University - Philadelphia, PA

2010 to 2015

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

Drexel University - Philadelphia, PA

## SKILLS

MS Office, Aspen/Hysys, Minitab, VBA, SQL, Visual Basic, Visio, Access

## CERTIFICATIONS

### **Engineering Management**