

# Rosa Pena

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## Education

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### **New York University Polytechnic School of Engineering**

Bachelor of Science in Sustainable Urban Environment  
Concentration in Construction Management  
Anticipated Graduation Date: 2015

## Technical Skills

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- Revit Architecture
- Navisworks
- Geographical Information Systems (ArcMap GIS)
- 3D CAD Design Software Solid Works
- Adobe InDesign CS6
- MATALB
- Qualtrics
- Microsoft (Excel, PowerPoint),
- Mac OS (Word, Access, Excel, Power Point)
- Windows 2007 – Windows 8

## Professional Experience

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### **GIS Student Consultant, NYU Data services** Summer 2013-Present

- Conducted introductory workshops with groups of 16 people and managed personal consultations for data analysis and acquisition for various projects from public health and real estate
- Geocoded patrons data set of 8,000 points for georeferencing on 2D maps for special analysis

### **Intern, Make the Road NYC** Fall 2013

- Assisted in the development and management of relationships with employers, job seekers, companies, unions and other organizations in Sandy storm affected areas
- Linked job seekers to strategic recruitment and job placement opportunities through outreach, screening, and direct employer referral

### **Robotics Instructor, Emerging Leaders in Technology and Engineering (ELITE),** Summer 2013

- Taught challenging topics to class of thirty students in Cholula, Mexico in robotics while providing hand on experience in programming autonomous robots using Arduino to create basic circuits on breadboards for varying sensors and purposes

### **Intern, New York City Department of Environmental Protection** Spring 2013

- Managed Mayor's Water Challenger for Hotels project, designing project proposal for reduction of water consumption in New York City which was in effect as of May 2013

## Research Experience

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### **Student Researcher, The City College of New York** Fall 2008-Spring 2010

"Synthesis and Characterization of CdSe and PbSe Colloidal Quantum Dots"

- Entrusted to synthesize Quantum Dots, and manage highly toxic chemicals
- Researched various synthesis methods, and presented improvements to be implemented to expand the range of energy absorbed by solar cells from visible light to infrared light, which would decrease the amount of energy lost in heat, in effect increasing the efficiency of the cells.

## Other Experience

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### **Red Zone Specialist, Apple Inc.** Fall 2011-Summer 2013

- Provided technical support for iOS devices and MacBook computers seeking assistance, additionally provided in-store training for customer seeking to become proficient at managing their new or current device

**References Upon Request**