

ANTHONY A. ANDREWS, E.I.T.

OBJECTIVE

To obtain a full time position as a civil engineer in the areas of water resources, consulting and site planning.

EDUCATION

- Cornell University** Ithaca, NY
- M. Eng., School of Civil and Environmental Engineering, Environmental and Water Resource Systems Expected May 2013
 - M. Eng. Project: AguaClara, Design Team Member: Responsible for creating design document layouts for various sustainable drinking water treatment plant designs and integrate these into the automated design tool drawing output.
- Rensselaer Polytechnic Institute** Troy, NY
- B.S. Civil Engineering, Management & Technology Minor. GPA 3.47/4.00 (Dean's List Honors) May 2008

RELEVANT EXPERIENCE

- Dominick R. Pilla Associates, PC** Nyack, NY June 2008 – Aug. 2012
Structural Design Engineer
- Involved in all phases of design and analysis of new buildings, renovations to existing structures, high-end residences, commercial buildings as well as remediation, assessment, and retrofit of existing structures.
 - Performed structural, seismic, and wind load analysis of various building construction types including timber, masonry, light gage metals, steel, and concrete as well as preparing structural drawings for bidding, construction, and permitting purposes.
 - Performed hydrologic analysis and stormwater management design for residential and commercial sites.
 - Coordinated with different regulating state and local agencies including municipalities for permit approvals such as stormwater discharges from construction activity for commercial sites and sewage disposal systems for private residences.
- Siemens Water Technologies** Fountain Valley, CA June - Aug. 2007
Intern
- Worked at one of the largest water filtration plants in the US (submerged system-microfiltration) during the final stages of assembly and testing.
 - Supervised a multidisciplinary team of 8 workers that finalized the installation of over 7,000 filtration membranes in the water-retaining cells, which then allowed for preliminary testing on influent water from the adjacent water treatment settling tanks.
 - Responsible for inputting installation results daily into a Microsoft Excel database, calibrating and commissioning components throughout the plant, and preparing inventory of spare parts turned over to the Orange County Water District (OCWD).
- Rensselaer Polytechnic Institute** Troy, NY Aug. 2006 - Aug. 2007
Undergraduate Research Program
- Performed research for a logistics program aimed at developing efficient methods of transporting immediate aid to population affected by natural disasters.
 - Responsible for inputting over 100 FEMA supply order forms from different support relief agencies into Microsoft Access database.
- Lazarus & Lazarus, S.A.** San Pedro Sula, Honduras May - Aug. 2006
Summer Intern
- Organized and conducted training workshops for assembly teams responsible for the construction of gabions to be used for site stabilization of a proposed large-scale supermarket warehouse.

LEADERSHIP ACTIVITIES & SOCIETIES

- American Society of Civil Engineers** 2006 - Present
- Student Council Class Representative** 2006 - 2007
- Organized professional workshops and community service events, recorded the minutes of the general membership meetings, managed the point system for each event and prepare a synopsis of the Chapter's activities for the End-Of-Year Reports.
- Chi Epsilon (National Civil Engineering Honor Society)** 2006 - Present

SKILLS AND AWARDS

- Computer Skills:** AutoCAD; HydroCAD; EnerCalc; Visual Analysis; Risa2D; STAADPro; MathCAD; MINITAB; Maple 10
- Language:** Native English and Spanish
- RPI Awards:** Rensselaer Alumni Scholar, Rensselaer Legacy Scholar, and Joseph Brandly Converse Scholar 2004 – 2008