

LAURA LOZON

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Target Job Title: Construction Inspector

SUMMARY

Recent graduate with a strong academic background in geotechnical engineering including foundation design, groundwater, and soil mechanics. Motivated learner with exceptional research and analytical capabilities. Organized professional working towards E.I.T. certification with a strong desire to perform as part of a team and on a wide variety of projects.

EDUCATION

Rensselaer Polytechnic Institute, Troy, NY
B.S. Civil Engineering [Geotechnical]

Graduation: August 2016

RELEVANT COURSEWORK

Foundation Engineering

- Applied the principles of soil mechanics to the design of footings, retaining walls, pile foundations, sheetpile walls, bridge piers and abutments, and underpinnings. Analyzed boring logs and documented calculations

Introduction to Transportation Engineering

- Studied basic concepts in transportation engineering including planning, design, and operations; topics included design of highway facilities, level of service, demand for transportation services, and basic transportation planning.

Applied Hydrology and Hydraulics

- Interpreted hydrologic data, including infiltration and runoff, and utilizing principles of open-channel flow for reservoir design

Construction Management

- Learned the application of engineering principles to planning construction operations, network scheduling (CPM, PERT), resource allocation, and cost engineering and control

Groundwater Hydrology

- Determined characteristic of groundwater flow and calculating storage, recharge, and yield of confined and unconfined aquifers. Topics included hydraulic conductivity, hydrologic budget, flow nets, and effects of pumping

Civil Engineering Capstone

- Generated a subsurface exploration and sampling plan. Evaluated possible foundation systems for a five-story office building. Communicated with the transportation team to design underground parking for the building. Performed assemblies-based cost estimation of geotechnical components
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ADDITIONAL EXPERIENCE

DOSO Summer Pipeline Initiative, Inc. • Troy, NY

June 2014 – July 2014

Teaching Resident Assistant

Worked as part of a team:

- Provided 5th through 8th grade students an opportunity to explore and experience the STEM fields, including Civil Engineering
- Successfully maintained the fast pace of the camps
- Ensured the safety of students, staff, and property

Rite Aid Pharmacy, Inc. • Troy, NY

July 2015 – September 2015

Pharmacy Clerk

Worked within a variable team:

- Kept customers informed about the status of their prescriptions
 - Honored the privacy needs of patients by upholding HIPAA requirements
 - Performed numerous daily tasks including counting out prescriptions and handling money, often multitasking to serve in-store customers without delaying other assignments
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SKILLS

Technical

Introductory knowledge of Geotechnical and hydrologic Software (HEC-HMS, LPILE, GRLWEAP) NX SAP 2000 Microsoft Office Suite (Word, Excel, PowerPoint)

General

Enthusiastic, self-driven learner
Excellent critical thinking abilities
Demonstrates high quality & sensitivity to detail
Works constructively as member of team
Exceptional report and technical writing skills

LEADERSHIP/ ACTIVITIES

Rensselaer

American Society of Civil Engineers, Student Member
RPI Student Chapter

February 2016- May 2016

American Society of Civil Engineers, Associate Member

May 2016- Present