

John P. Harrison

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Education

Graduation 06/ 2018

Manhattan College, Riverdale, NY

Bachelor of Science in Civil Engineering, Minor in Environmental Engineering

Related

Courses

Capstone Environmental Design, Water Treatment, Hazardous Waste Management, Groundwater Surface Water Quality Modeling, Hydraulic Design, Energy and the Environment, Fluid Mechanics

Related Experience

06/2018-Present

MacConnell & Associates, P.C., Jr. Project Engineer, Raleigh, NC

- Design of various on-site wastewater treatment and disposal systems.
- Performed an alternative energy study for anaerobic digestion biogas and solar power.
- Inspected a spheroid water tower and prepared a report with the necessary applications and specifications for repairs and paint work.
- Prepared application package for compost facility expansion.
- Prepared a Preliminary Engineering Report for a regional wastewater treatment plant affected during Hurricane Florence.

06/2009-07/2018

Emerald Pharmacy, Part Time Manager, Bronx, NY

- Ensured customers receive excellent service by providing personalized solutions to their inquiries.
- Filed necessary paperwork for store operations.
- Managed Inventory, overstock, and tools used for work.

05/2012-09/2013

Riverdale Neighborhood House, Lifeguard, New York, NY

- Performed first aid and CPR according to the demands of adverse situations.
- Maintained and recorded pool chemical levels to ensure safety and hygiene.

Academic Projects

Spring 2017

Solids Recovery Facility Design

- Completed mass balance for flow and loads through existing water treatment plant.
- Analyzed existing thickening equipment for a plant upgrade to serve a 20 year design period.

Spring 2017

Air Stripper Design

- Designed air stripping units to treat groundwater contaminated with three non-aqueous phase liquids.
- Designed and planned for necessary auxiliary equipment, off gas and water treatment.

Spring 2016

Sanitary Sewer Design, Team Leader

- Designed pipe size and configuration for a sanitary sewer network using USACE SWMM software.
- Coordinated completion and quality between team members of AutoCAD drawings pertaining to design.

Leadership

01/2013

Eagle Scout Award

- Coordinated project to repair wall surrounding an elementary school playground.
- Managed recruitment and promotional activities in order to complete goals.

Volunteer

06/2016-05/2018

Boy Scouts of America, Adult leader

- Provided assistance with ongoing projects and other scouting activities.
- Aided in constructing qualitative characteristics with youth leadership

02/2017-06/2017

FourSight Collective,

- Engaged small groups of high school students about college and career opportunities.
- Examined data regarding performance of seminars.

Computer

Skills

AutoCAD, AutoCAD Civil 3D, EPANET, HEC-RAS, SWMM, Geo-Studio
Microsoft Office (Excel, PowerPoint, and Word)

Professional

Memberships

American Society of Civil Engineers(A.S.C.E.), Student Member

Fall 2017