**Neil James McCormack**

njm2124@columbia.edu 917-520-0557

4404 44th Avenue South, Minneapolis, MN 55406

***Education:***

**Columbia University, School of Engineering and Applied Science** New York, NY

Bachelor of Science in Earth and Environmental Engineering

*Coursework includes*: Geographic Information Systems, Wastewater Engineering, Field Methods of Environmental Engineering, A Better Planet by Design, Introduction to Programming in Java, and Alternative Energy Resources

**Ridgefield High School** Ridgefield, CT

*Additional Coursework at Columbia University*: Energy and Global Change, Public Health and Epidemiology

*Additional Coursework at Johns Hopkins University, Center for Talented Youth*: Introduction to Computer Science, Inductive and Deductive Reasoning, Literature and the Arts, Crafting the Essay

***Project & Lab Experience:***

*Inline Interceptor Controls:* Colaborated with student partner and DEP liaison to combat CSO proliferation in New York City sewers via regulator control and design storm modeling using EPASWMM

*Biomass Gasification:* Sampled gasification synthesis emissions from Parr reactor using gas chromatograph to investigate feasibility of biomass and municipal solid waste fuel resources

*River Health Survey:* Analyzed Hudson and East River water samples for temp, pH, salinity, dissolved O2, Turbidity, CH4, enterococcus, fecal coliform, total suspended solids, CO2, dissolved organic and inorganic carbon, alkalinity, color, PCBs in hydro lab

***Work Experience:***

*Wells Fargo: Loan Servicing Specialist — Wells Fargo; Government Insuring January 2013-Present*

 -Review documentation essential to U.S. government mortgage insurance program

 -Submit relevant data from loan image database to Housing Administration

 -Clarify deficiencies within imaged data to ensure accurate information

*NYC Dept. of Environmental Protection: Engineering Intern*  *Summer 2011*

-View CCTV feeds in Granite XP database associated with inspections by 3rd party service

 -Read sonar results of pipe sedimentation and correlate with GIS dimensional data to prioritize vacuum removal

-Perform quality assurance/quality control on contractors’ defect and construction feature coding of sewer lines

-Visit NYC pollution control plants for design meetings, tours, and seminars

*Columbia University Environmental Health & Safety: Technician* *September 2011-April 2012*

-Enter hazardous substance records and safety compliance data into HPA database to provide updated certifications

-Provide hands-on technical support for problems with Polycom system, monitors, hard drives, tablets, updates

-Maintain client connections to shared drive using Cisco VPN and LAN printers using DHCP and manual config.

*Columbia University: Administrative Assistant* *Fall 2008-Summer 2011*

-Staff front desk, distribute mail and answer calls to resolve requests for administrative and technical services

-Organize trip itineraries including booking hotel, parking, guest visitor and restaurant reservations

-Use data in Filemaker Pro to send mailings, determine awards qualifications, and ensure athletic compliance

*Financial Times: FT Search Intern Summer 2007*

-Test new business search engine software and work with developers to increase accuracy of query results

***Extra Curricular Activities:***

Columbia University Food Sustainability Project

U.S.A. and Varsity Swimming

***Relevant Skills:***

Proficient in Microsoft Office Suite, ArcGIS, EPA SWMM, AutoCAD, Filemaker Pro, Remediation Design, Detailed Technical Report Writing, Computer and A/V equipt. IT Assistance, Critical Writing and Excellent Communication, Wet Chemistry Lab Analysis, Field Work