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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: Collaborated 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