

Diane Ye

dmy2109@columbia.edu | (646)-270-2119

EDUCATION

Columbia University, The Fu Foundation School of Engineering and Applied Science

Master of Science in Earth Resources Engineering (*expected August 2014*)

University of Maryland, College Park (UMD), A. James Clark School of Engineering, Honors College

Bachelor of Science in Civil Engineering (May 2013)

Minor in International Engineering

RESEARCH

Earth Engineering Center (EEC), Columbia University

9/13 - Present

Junior Research Associate

- Currently analyzing integrated waste management for the Waste-to-Energy Research and Technology Council (WTERT).

Gemstone Program, UMD

9/10 – 5/13

Team Superior Wetlands Against Malicious Pollutants (SWAMP)

Thesis: “Interactive Effects of Plant Species and Organic Carbon on Nitrate Removal in Chesapeake Bay Treatment Wetlands”

- Helped design and implement experiments, apply for grants, create presentations, and write thesis.

Environmental Lab, UMD

11/12 – 3/13

Research Assistant

- Ran experiments to determine the scavenging rates of humic acid for studies in advanced oxidation processes in water treatment.
- Tested experimental setup of UV and H₂O₂ degradation on compounds with known scavenging rates.

WORK

Maryland State Highway Administration (SHA)

5/12 – 8/12

Summer Intern

- Compiled plans, specifications & estimates (PS&E) on highway improvement projects and Notices to Proceed (NTP) involving efforts to meet Chesapeake Bay Total Maximum Daily Load (TMDL) standards.
- Facilitated communication in and out of the Office of Highway Development by drafting meeting notes and letters to citizens.
- Aided with plan sheet revisions and ArcGIS data queries.

COMMUNITY

- Columbia University Engineering Graduate Student Council (EGSC) Earth and Environmental Engineering Department Representative 9/13 – Present
- UMD Math Coach 9/11 – 5/13
- UMD Student Chapter of American Society of Civil Engineers (ASCE) Engineering Student Council (ESC) Liaison 9/11 – 5/12
- UMD Community Assistant 8/10 – 5/11

OTHER

Engineer in Training

Computer: ArcGIS, GISHydro, MicroStation, Primavera, MATLAB, LINDO, GAMS, Trns • port Estimator

Hobbies: Ensemble playing (violin, koto, Korean drumming), FeelGood CU