

# Edna Ezzell

ednazhinus@gmail.com Phone: 202-215-4816

## EDUCATION

### Massachusetts Institute of Technology, Cambridge, MA

Candidate for Bachelor of Science in Civil Engineering May 2011

Transferred from University of Maryland, College Park (UMD) Spring 2009

GPA: 4.8/5.0

**Relevant Coursework:** Ecology II: Engineering for Sustainability, Mechanics of Structures and Soils, Structural and Geotechnical Engineering Design, Project Engineering, Urban Transportation Planning, and Engineering, Innovation, and Design

**Honors:** Leo (Class of 1924) and Mary Grossman Award: Honors an undergraduate who has a strong academic record and interest in transportation, Tau Beta Pi Engineering Honors Society, Chi Epsilon Civil Engineering Honors Society, Gemstone Program (UMD), Hinman Campus Entrepreneurship Opportunities (CEOs) Program (UMD)

## EXPERIENCE

### Washington Metropolitan Area Transit Authority, *Project Engineering Intern*

Washington, D.C.  
Summer 2010

- Assisted WMATA Project Manager with the Red Line Rehabilitation Project, including reviewing drawings, preparing an estimate, and debriefing Project Manager on contractor activities.

### Rummel, Klepper, and Kahl, *Transportation Department Engineering Intern*

Baltimore, MD  
Summer 2009

- Assisted in various traffic projects including highway signing design, traffic analysis, state transportation policy guidelines, and a busway on K Street in Washington, DC, to be presented to local transportation agencies.

### UMD Department of Civil and Environmental Engineering, *Undergraduate Research Assistant*

College Park, MD  
Summer 2008

- Worked under Dr. Richard McCuen to conduct an individual hydrological research project and assist in the creation of new content for a future civil engineering course, which is to be published in 2011.

### University of Maryland School of Engineering, *Team Leader*

College Park, MD  
Spring 2008

*Hovercraft Design Project, Introduction to Engineering Design*

- Worked with a nine-person team to design and build a fully autonomous hovercraft.

*Bridge Design Project, Statics*

Fall 2007

- Led a team to design and build a truss bridge to withstand exactly 2000 lbs; winning design within course

## PUBLICATIONS

McCuen, R.H., Ezzell, E.Z., and Wong, M. "Fundamentals of Civil Engineering: An Introduction to the ASCE Body of Knowledge", (to be published January 2011 by Taylor and Francis Group)

## SKILLS

- Computer: MS Office, Windows 98/XP/Vista/7, MacOS
- Pro-Engineer, Matlab, AutoCAD, Synchro, & Java
- Conversational Japanese

## LEADERSHIP ACTIVITIES

### Society of Women Engineers, MIT

- Career Fair Banquet Chair (2009):* Planned a 200 person networking event for students and company representatives.
- Membership Development Chair (2010):* Will plan SWE's Orientation activities and trip to the 2010 National Conference.

### Dance Troupe, 2009-present

- Social Chair:* Plan social events for our 200 person student dance group, as well as teach ballet classes.

### Ballet Company M, UMD, 2007-2009

- Treasurer:* Helped club to get funding from the Student Government Association for the first time.

### Women in Engineering Program, UMD, Fall 2008

- Student Mentor:* Mentored first semester freshmen engineering students to help with their transition to college.