

DONALD KATZ

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EDUCATION

- Georgia Institute of Technology**, Atlanta, GA Aug. 2009 – Present
M.S./Ph.D in Civil Engineering
Total GPA 4.0 / 4.0
- North Carolina State University**, Raleigh, NC Aug. 2003 – May 2007
B.S. in Civil Engineering, Minor in Design Studies.
Total GPA: 4.0 / 4.0 ; Summa cum laude
Passed FE Exam, October 2006

WORK EXPERIENCE

Institute for Transportation Research and Education Apr. 2009 – Aug. 2009
Research Assistant, Highway Systems Group

- Researched new techniques for pavement markings that improved nighttime wet visibility for drivers.
- Coordinated site selection, data collection, and report writing of a field evaluation of new paint system.
- Headed up data collection efforts in a study of access management techniques across North Carolina.
- Surveyed businesses on corridors with new medians to see the effect it had on access.
- Coordinated photograph usage rights for new ITE manual.

Regional Plan Association, New York, New York Nov. 2008 – Feb. 2009
Intern: America 2050

- Studying northeast megaregion for the implementation of high speed rail.
- Exploring possible alignments through land use studies and evaluation of current infrastructure.
- Assessing the impact high speed rail will have on America as it heads towards 2050.
- Gathering input from stakeholders who have vested interests in a new rail line.
- Determining the extent to which high speed rail can be part of a nationwide plan to ready the country for the infrastructure demands of a growing population and a new economy.

Fulbright Scholar – Transportation Studies, Dhaka, Bangladesh Dec. 2007 – Sept. 2008
Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

- Evaluated urban bus usage patterns during overcrowded conditions.
- Explored the effect of cultural gender bias on bus ridership and seating patterns.
- Managed three research assistants.
- Extensive field experience including GPS mapping and over 500 hours of data collection.
- Tentative Conclusion: Rider loading patterns are surprisingly efficient.

Research on Truck Movements, North Carolina State University, Raleigh, NC Aug. 2006 – May 2007

- Profiled truck movement within North Carolina for different truck weights and classes.
- Created visual displays of the profiles which communicated truck movements easily.
- Assisted in attaining project funding from NCDOT who believes this will ultimately help them in planning upgrades to the state highway system.
- Winner - NC State Undergraduate Research Symposium in Spring 2007.
- Research supported by Dr. John Stone.

CMX (formerly Schoor DePalma), Philadelphia, PA and Manalapan, NJ Summers of 2006, 2005, 2004
Intern: Structural, Site Development, Bridges Depts.

- Evaluated structural systems for repair of a farm structure and rehabilitation of a historical industrial plant.
- Inspected over 40 highway bridges for deficiencies and areas for repair.
- Designed structural upgrades needed for Villanova University's library to add compact shelving facility. Project developed in alignment with my recommendations.

SKILLS

- Proficient in ArcGIS, Visual Basic, AutoCAD, Civil3D, Google Earth, Microsoft Office Suite & Access, engineering software.
- Experience in USA bridge and culvert design standards and structural assessment.
- Survey design and distribution.
- Coursework: Airports, Highways, Context Sensitive Solutions, Highway Safety, Design History, Traffic Engineering, Freight and Ports
- Languages: Fluent in Bengali, Conversational Spanish

RECOGNITION

- Georgia Section of ITE, Scholarship, 2009
- Federal Highway Administration, Dwight D. Eisenhower Graduate Fellowship, 2009-2010.
- National Science Foundation, Graduate Research Fellowship, Honorable Mention, 2009.
- U.S. State Department, Fulbright Scholarship for Bangladesh, 2007 – 2008.
- NC State Class of 2007 Valedictorian, 2007
- NC State University Park Scholarship – Full four-year merit scholarship, 2003 – 2007.
- Led Rowing Club as President to win NC State Club Sport of the Year, 2006 – 2007 and reestablish its financial security through over \$11,000 of fundraising and membership drives.
- Eagle Scout, 2002.
- Southeastern Transportation Center – University of Tennessee, Scholarship, 2006.

ACTIVITIES & LEADERSHIP

- Georgia Tech Rowing Club: Member, 2009-2010.
- Institute of Transportation Engineers, NC State Chapter, 2005-2007, Georgia Tech Chapter, 2009-2010.
- NC State Rowing Club: Served as President, Vice President, Captain, Recruiting Chair. Managed \$55,000 budget and 50 person team. Organized first Million Meter Row fundraiser that raised \$1200.
- Conferences:
 - International Conference on Best Practices to Relieve Congestion on Mixed-Traffic Urban Streets in Developing Countries, Sep. 2008;
 - Transportation Research Board Annual Meeting Jan. 2006, 2007, 2010.
 - New Partners for Smart Growth, Feb. 2007.
- Training: AMA Course “Preparing for Leadership” Aug. 2007
- Krispy Kreme Challenge: Race Course Director 2006 – 2007, Participant Jan. 2006, Jan 2007.
- Study Abroad: University of Cape Town, Cape Town, South Africa, Spring 2005.

PUBLICATIONS

- Katz, Donald S. and Rahman, Md. Mizanur. *Levels of Overcrowding in the Bus System of Dhaka, Bangladesh*. Transportation Research Board 89th Annual Meeting. Jan. 2010.
- Katz, Donald S. and Rahman, Md. Mizanur. *Overcrowded Buses Operating in Dhaka, Bangladesh and the Effects on Safety, Performance, and Comfort*. Paper contributed to the International Conference on Best Practices to Relieve Congestion on Mixed-Traffic Urban Streets in Developing Countries. Sept. 2008. pp. 241-9

REFERENCES

- Professor Michael Meyer: Georgia Institute of Technology, michael.meyer@gatech.edu
- Professor Laurie Garrow: Georgia Institute of Technology, laurie.garrow@gatech.edu
- Professor Joseph Hummer: North Carolina State University, hummer@ncsu.edu, 919-515-7733
- Professor John R. Stone: North Carolina State University, stone@ncsu.edu, 919-515-7732
- Christopher Cunningham, ITRE, cmcunnin@ncsu.edu, 919-515-8562
- Petra Todorovich: Regional Plan Association, petra@rpa.org, 212-253-5795
- Professor Md. Mizanur Rahman: Bangladesh University of Engineering and Technology, mizanur@ce.buet.ac.bd