

DONALD KATZ

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EDUCATION

- Georgia Institute of Technology**, Atlanta, GA Aug. 2009 – Present
M.S. in Civil Engineering, Dec. 2010
Ph.D. in Civil Engineering, In Progress
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

- Research on Airports and Airlines, Georgia Institute of Technology**, Atlanta, GA Aug. 2009 – Present
Graduate Research Assistant
- Analyzing airports in megaregions to explore connectivity internally and to other U.S. megaregions.
 - Assessing continuous airline schedules at airline hubs on revenue and network competition.

- 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.

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, VBA, AutoCAD, SAS, Civil3D, Google Earth, Microsoft Office Suite & Access.
- Experience in USA bridge and culvert design standards and structural assessment.
- Survey design and distribution.
- Languages: Fluent in Bengali, Conversational Spanish

RECOGNITION

- Airport Cooperative Research Program Graduate Research Award, 2011
- Eno Transportation Foundation Fellowship – Eno Leadership Development Conference, 2011
- Georgia Department of Transportation Scholarship, 2011
- National Science Foundation, Graduate Research Fellowship, 2010
- Award to attend Helsinki Summer School in Transportation, 2010
- Georgia Section of ITE, Scholarship, 2009
- Federal Highway Administration, Dwight D. Eisenhower Graduate Fellowship, 2009-2010.
- 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.
- Cyrus Painter Memorial Scholarship, North Carolina Section of ITE, 2005
- Eagle Scout, 2002.

ACTIVITIES & LEADERSHIP

- Georgia Tech Rowing Club: Member, 2009-2010.
- Institute of Transportation Engineers, NC State Chapter, 2005-2007, Georgia Tech Chapter, 2009-2011: Served as President, Vice President of Outreach.
- NC State Rowing Club, 2003-2007: Served as President, Vice President, Captain, Recruiting Chair. Managed \$55,000 budget and 50 person team. Organized first Million Meter Row that raised \$1200.
- Conferences:
 - World Conference on Transport Research, 2010.
 - Practices to Relieve Congestion on Mixed-Traffic Urban Streets in Developing Countries, 2008;
 - Transportation Research Board Annual Meeting Jan. 2006, 2007, 2010, 2011.
 - New Partners for Smart Growth, 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, D.S. and Garrow, L.A. *The Impact of Bus Door Crowding on Operations and Safety*. Journal of Public Transportation (*Upcoming*), 2012.
- Cunningham, C.M., Miller, M., Smith, S., Findley, D.J., Carter, D.L., Schroeder, B.J., Katz, D. S., Foyle, R.S. *Economic Effects of Access Management Techniques in North Carolina*. Transportation Research Board Annual Meeting, Jan. 23-27, 2011. Washington, D.C.
- Katz, D.S. and Rahman, Md.M. *Levels of Overcrowding in the Bus System of Dhaka, Bangladesh*. Transportation Research Record 2143: 85-91, 2010.
- Katz, D.S. and Rahman, Md.M. *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