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Educational Background

Georgia Institute of Technology ***Atlanta, GA*** ***2006-2008***
Pursuing Master of City & Regional Planning GPA: 4.0
Awarded Glatting, Jackson, Kercher, Anglin, Lopez and Rinehart, Inc. Fellowship, 2007

Bucknell University ***Lewisburg, PA*** ***Class of 2006***

- Degree: BS Civil Engineering
- Honors: Magna Cum Laude
- GPA: 3.78
- Alpha Lambda Delta Honor Society
- Chi Epsilon Honor Society
- Dean's List
- Study abroad at University of Queensland in Brisbane, Australia (Spring 2005)

Relevant Experience

Graduate Research Assistant ***Center for Quality Growth & Regional Development (CQGRD)*** ***Fall 2006-Current***
As a GRA, I research and report on local and national issues related to quality growth, assist with proposal development, provide support for conferences and meetings, and edit reports and other publications. I worked extensively on the Decatur Community Transportation Plan(adopted Fall 2007), including a Quality Growth Audit and Rapid Health Impact Assessment which considered health, safety, equity, and quality of life implications of transportation infrastructure and programming. I am currently involved in several projects including a congestion pricing assessment for Georgia Department of Transportation and a strategic planning process for a rural Georgia community. I also maintain the CQGRD website.

Westside Atlanta Studio ***Fall 2007***
The Fall 2007 Planning & Urban Design Studio was led by Michael Dobbins of Georgia Tech's College of Architecture (former City of Atlanta Planning Commissioner) and Saskia Benjamin of Georgia Conservancy's *Blueprints for Successful Communities* program. The studio was dedicated to developing a framework plan for the Westside of Atlanta as part of a Blueprints planning process. As part of the studio, I led visioning exercises at a community meeting, and helped organize and conduct a design workshop for stakeholders. My specific output included GIS-based maps of existing transportation conditions and a descriptive street typology classification system for Westside roadways. The street typology creates a framework for improving connectivity and integrating land use characteristics and future transit opportunities into the physical design of the streets.

Presidential Fellowship ***Bucknell University*** ***Fall 2002-Summer 2006***
I co-authored three papers for the ASEE annual conference and received the best paper award in the Engineering Management division (2003). All papers were presented at the conference and at the Bucknell Undergraduate Research Symposium in 2003 and 2004. I also worked with the Bucknell Business Advisory Board to develop multi-disciplinary programming, including a career-oriented panel discussion.

Civil Engineering Internship ***McCormick Taylor*** ***Summer 2003 –Fall 2006***
McCormick Taylor is a highway engineering firm in Harrisburg, Pennsylvania. I gained drafting and design experience, performed traffic analyses, and helped prepare project proposals and presentations.

Institute for Leadership in Technology and Management (ILTM) ***Summer 2004***
I participated in a highly selective 6-week program that integrates engineering, business management, leadership, teamwork, ethics, and other themes through lecture and discussion, case studies, contact with faculty and industry experts, field trips, and project work. I worked on a multi-disciplinary team to develop a new strategic business and marketing plan for an IT consulting company.

Publications

Publications in *Proceedings of the American Society for Engineering Education (ASEE) Annual Conference & Exposition*

- Barrella, E. M., Buffinton, K. W., and Simmons, J., 2006, "Professional Engineering Education Best Practice Study."
- Barrella, E. M. and Buffinton, K. W., 2004, "Corporate Assessment of Strategic Issues in Technology and Management Education."
- Barrella, E. M. and Buffinton, K. W., 2003, "Opportunities in Education at the Confluence of Technology and Management" (received the "Outstanding Paper Award" from the Division of Engineering Management).

Activities

- Student Planning Association (Georgia Tech chapter, Social Chair)
- Institute of Transportation Engineers (Georgia Tech chapter)
- American Planning Association and Georgia Planning Association (student member)
- Transportation Research Board (student associate member)
- American Society of Civil Engineers (Bucknell chapter, Vice President)
- Society of Women Engineers (Bucknell chapter)