

Jaime Ricardo Angueira (Ricky)

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OBJECTIVE: To obtain a position in which I can excel as a Transportation Engineer/Planner by creating sustainable and livable communities to improve the efficiency of the transportation system and the city's quality of life.

EDUCATION:

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| • University of Connecticut (UConn)
(2012 – Present)
Expected Graduation Date: May 2014 | M.S., Transportation and Urban Engineering
GPA: 3.44 | Storrs, CT |
| • University of Puerto Rico, Mayagüez Campus (UPRM)
(2006 – 2012) | B.S., Civil Engineering
GPA: 3.03 | Mayagüez, PR |

EXPERIENCE:

Thesis Research	May 2013 - Present	University of Connecticut	Storrs, CT
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- Currently researching short term vehicle type usage decisions at a day-level, person-level analysis using survey data (National Household Travel Survey) to determine what policies can reduce emissions
- Using SPSS to develop linear and discrete multinomial logit models to determine plausibility of vehicle type choice affecting distance traveled and/or distance traveled affecting vehicle type choice
- Using these models to determine what socio-economic and demographic data affects vehicle type choice

Graduate Assistant	August 2012 – May 2013	University of Connecticut	Storrs, CT
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- Explored economic impact measures of transportation projects (jobs created, gross regional product, value added, and change in income) to analyze alternatives between highway expansion and transit projects
- Analyzed a variety of economic modeling software to determine the most suitable for Connecticut based on their modeling process, output validity, and requirements of Connecticut Department of Transportation

Summer Internship	Summer 2012	Federal Highway Administration, VA Division	Richmond, VA
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- Reviewed plan sheets of several safety (traffic control) and traffic analysis projects to ensure MUTCD standards were being followed and approve federal funding requests
- Carried out three (3) traffic incident management assessments in different metropolitan areas of Virginia to evaluate the multidisciplinary coordination between Virginia Department of Transportation, Law Enforcement, Fire, Emergency Medical Services, and Towing Services
- Wrote research paper and gave a formal presentation on the fuel tax and transportation funding alternatives

Senior Design Project	Spring 2012	University of Puerto Rico, Mayagüez Campus	Mayagüez, PR
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- Lead a group of eleven (11) members to design a tourist resort in Mayagüez, PR
- Was responsible for all duties related to transportation engineering/planning:
 - Forecasted the travel demand added by building the development (using the four-step model)
 - Performed a traffic operation study of the network impacted by the development
 - Designed all roads, paths, and parking facilities within the development

Traffic Operation Study	Fall 2011	University of Puerto Rico, Mayagüez Campus	Mayagüez, PR
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- Obtained data directly from the field to analyze traffic conditions and propose improvements to the existing transportation system at and around the Pontifical Catholic University of Puerto Rico in Ponce, PR
 - Used Synchro to analyze current and proposed traffic conditions
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GRADUATE COURSEWORK:

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| • Transportation Planning | Four-step transportation modeling and some activity-based modeling |
| • Transportation Network Analysis | Exploring different traffic assignment models |
| • GIS in Transportation | Geographical analyses of transportation networks |
| • Sustainable Transportation | Analysis and implementation of sustainable transportation solutions |
| • Case Studies in Transportation Eng. | Understanding the elements of effective transportation planning |
| • Traffic Engineering Characteristics | Relationships among the characteristics of traffic flow modeling |
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AFFILIATIONS:

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| • Institute of Transportation Engineers (ITE) | | |
| UConn ITE Student Chapter | President | January 2013 – Present |
| UPRM ITE Student Chapter | Treasurer & Webmaster | August 2011 – May 2012 |
| • UConn Civil and Environmental Engineering | Treasurer | July 2013 – Present |
| Graduate Student Association (CEE GSA) | Advisory Board Member | July 2013 – Present |
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AWARDS:

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| • 2013 Student of the Year Award | UConn Center for Transportation and Livable Systems |
| • TEDx UConn Speaker | Sustainable Transportation in Cities – tedxuconn.com |
| • Poster Competition Winner/Speaker | WTS 'Transportation Mini Series' |
| • Fellowship Recipient | National Science Foundation (NSF) Bridge to Doctorate Program |
| • Fellowship Recipient | New England University Transportation Center (NEUTC) |
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SKILLS:

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| • Skilled with modeling: linear, discrete, four-step travel demand, and activity-based models |
| • Proficient with SPSS, Biogeme, Auto-CAD, Synchro, Highway Capacity Software, and Sketch Up |
| • Familiar with MUTCD, HCM, and AASHTO Green Book |
| • Fluent in English and Spanish; proficient knowledge of Italian and French |
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