

ANDREW ALTAMIRANO

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Education	Columbia University Fu Foundation School of Engineering & Applied Science, New York	
	Masters of Science in Civil Engineering	May 2013 (anticipated)
	Focus on structural engineering, with an emphasis on structural dynamics and multi-hazard engineering.	
	Bachelors of Science in Civil Engineering	May 2012
	Focus on structural engineering, with a minor in architecture. C. Prescott Davis Scholar (2008-12), Dean's List (Spring'11, Fall'10, Spring'10)	
Awards	Constantino Colombo Outstanding Leadership Service Award	April 2012
	Awarded for demonstrating outstanding leadership and service in enhancing undergraduate student life at Columbia University.	
	ASCE Student Chapter Service Award	April 2012
	Recognized for active involvement in the student ASCE chapter, including steel bridge.	
Experience	Structural Engineering Intern, Buildings Group, Weidlinger Associates, Inc, New York	Summer 2011, Summer 2012
	<ul style="list-style-type: none">Analyzed structural components and cladding against performance requirements for multiple hazard situations, including blast, wind, and seismic.Designed connections of curtain walls, CMU walls, stair bulkheads for blast loading.Calculated reinforcement requirements of concrete walls to develop ultimate capacity.Built SDOF, MDOF, and FE models of building components to verify design compliance against performance criteria, including OBO & UFC.Determined site perimeter barrier vulnerabilities from vehicular impact.Evaluated structural analysis software for ease of use, accuracy, and integration with Revit Structure BIM softwareReviewed subcontractor steel connection & concrete anchorage submittals for conformance to defined structural and blast specifications.	
	Project Manager, Manhattanville Campus Senior Design Project	Spring 2012
	<ul style="list-style-type: none">Developed master plan for combined subgrade of Columbia's Manhattanville campus.Integrated support facilities, such as central energy plant, mechanical corridors, and underground truck deliveries & parking for 1,000 vehicles.Provided utility re-routing, LEED analysis, and architectural drawings for structural groups to refine.	
	Team Captain, 2012 ASCE-AISC Steel Bridge Competition	Fall 2011- Spring 2012
	<ul style="list-style-type: none">Led over 20 students in designing and fabricating a 23', 300lb steel bridge for annual regional competition.Provided calculations and member sizing for group's design conceptsCommunicated with vendors, sponsors, and university administration.	
	Academic Coordinator, Columbia University New Student Orientation Program	Summer 2010
	<ul style="list-style-type: none">Developed events and logistics alongside university administrators for week-long orientation program for 2,500 new students, while managing program budgets, available technical & human resources, and university policies.	
Certifications	Engineer In Training, New York State	April 2012
Skills	Revit Structure (parametric modeling, custom families), AutoCAD (2D & 3D), SAP2000, ETabs, RAM, FasTrak, MATLAB, Mathematica, ShapeBuilder, WABLAST, WINGARD, CONWEP, SBEDS, Adobe Acrobat, Microsoft Office	
Involvement	National Student Member, American Institute of Steel Construction	2011-Present
	National & Campus Chapter Member, American Society of Civil Engineers	2010-Present
	Executive Board Member, Columbia University Sailing Team	2009-2012
	Executive Board Member, Kappa Delta Rho Fraternity, Nu Alpha Chapter	2010-2012