

Samuel Mark Avila

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Objective

Seeking a permanent position in the engineering field in order to use the structural engineering skills that I have learned and to expand my knowledge and experience in the field of structural engineering.

Education

6th Year Architectural Engineering Student (Structural Option)
The Pennsylvania State University University Park, PA
Integrated Bachelor and Master of Architectural Engineering, ABET accredited program
Cumulative GPA **3.47/4.00** Dean's List five semesters
Expected Graduation: May, 2006
Scheduled to take Fundamentals of Engineering exam during the Spring 2006

Senior Capstone Design Project

Thesis website: <http://www.arche.psu.edu/thesis/eportfolio/current/portfolios/sma190/>
A work in progress thesis design and analysis project of the University of Central Florida's Academic Villages.

Relevant Courses

Design of Steel Structures	Introduction to Construction Management
Design of Concrete Structures	Architectural Acoustics
HVAC Fundamentals	Structural Analysis (Determinate and Indeterminate)
Design of Masonry Structures	Building Construction Engineering
Building Structural Design	Foundation and Soil Analysis
Modern Structural Systems	Fundamentals of Surveying
Seismic Design	Design of Wood Structures

Computer Software

AutoCAD 2004	Primavera	Microsoft Office	STAAD.Pro 2002	RAM Steel 7.0
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Relevant Experience

Southern Company			
Structural Design Intern	Summer 2005		Birmingham, AL
	-Performed design and analysis checks for an existing power plant in Alabama.		
	-Developed a computer software program using excel to check monorail designs.		
Lowes Home Improvement			
Customer Service Associate	Summer 2002		Irmo, SC
	-Assisted and advised customers in their selection of building material products		

Activities

Part time instructor, Earwood's Karate Studio, black belt
Vice President, Chi Alpha Christian Fellowship/ Assistant leader of Chi Alpha Cell group
Student Member, American Concrete Institute (ACI)
Student Member, American Institute of Steel Construction Inc. (AISC)

References

References/transcripts available upon request.