

JOSEPH L. WILLIAMS, E.I.

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A hard working and energetic thinker who can bring together engineering methodologies and architectural creativity while utilizing today's technological tools to meet the design needs of the worlds leading firms.

WORK EXPERIENCE

Stenstrom Schneider, Inc.

May 2006 – Present

Structural Engineering Consultants, Dallas TX

Project Designer

- × Created 3D structural models to aid in analysis and design of projects
- × Lead development and analysis of concepts for a 13-story reinforced concrete hotel using RAM
- × Designed structural system components and produced construction documents and drawings
- × Performed site inspections of reinforced concrete and structural steel components
- × Contributed to projects such as: Tom Muelhenbeck Recreation Center of Plano, TX; Phase III Residential Towers for Atlantis, Paradise Island, the Bahamas; & Ethicus Hospital of Grapevine, TX

Supervisor: Michael E. Stenstrom P.E. S.E., President

Design Research & Informatics Lab (DRIL)

November 2005 – November 2006

College of Architecture, Art + Design; Mississippi State University

Graduate Research Assistant: Pre-Manufactured Housing Research

- × Worked with Architects to design supporting structural system for elevated structure
- × Designed custom spring retrieval system for floatable components
- × Performed Finite Element Analysis (FEA) on system components and structural system
- × Generated conceptual form and structural study models using traditional and rapid prototyping (CAD/CAM) methods

Supervisor: Dr. Larry R. Barrow, Director of DRIL & Graduate Program, 662.325.2541

US Army Corp of Engineers

November 2002 – August 2005

Cost Engineering, Memphis District

Student Co-Op

- × Initiated conversion of many in-house paper forms to help digitize office
- × Created digital library catalog system for reference material and job logs
- × Calculated quantities from in-house drawings for project bid estimates
- × Contacted regional suppliers about upcoming projects, and acquired quotes for supplies
- × Maintained and managed district-wide historical project cost database
- × Performed project Bid-ability, Constructability, and Operability Reviews (BCOEs)

Supervisor: Dave McNutt P.E., Chief of Cost Engineering, 901.544.3394

EDUCATION

Master of Science in Architecture

August 2005 – December 2006

Mississippi State University, Starkville, Mississippi

Study Emphasis: Design Visualization, Information Visualization, & CAD/CAE/CAM

EDUCATION (CONTINUED)

Bachelor of Science in Civil Engineering

August 1999 – May 2005

University of Memphis, Memphis, Tennessee

Study Emphasis: Foundation Engineering, Structural Engineering, & Transportation Engineering

National Student Exchange Program

September 2001 – June 2002

California Polytechnic University, San Luis Obispo, California

Study Emphasis: Architectural & Civil Engineering

TECHNICAL SKILLS

Computation/Data Analysis

Programs: CATIA V5, Microsoft Excel, MathCAD, Maple 7, SAP 2000, Risa 2D, RAM Concrete & Concept

Languages: Fortran 90

Drafting/Modeling

Programs: Digital Project, Form-Z, Revit Structure, Rhino, AutoCAD 2007, SketchUp 5, & Alias SketchBook

Languages: RhinoScript

Database Management

Programs: Microsoft Access, MySQL

Multimedia

Programs: Adobe Dreamweaver & Flash

Languages: HTML, ActionScript 2.0, JavaScript, Perl (CGI), XML, CSS, PHP, AJAX

Graphics

Programs: Adobe Photoshop, ImageReady, Fireworks, & Illustrator

VOLUNTEER EXPERIENCE

Memphis Recovery Centers

May 2005 - May 2006

Memphis, Tennessee, Youth Development Center

Tasks/Responsibilities: Co-lead weekly discussion groups and activities for at-risk youths

Appalachian Service Project

Every July from 2000 - 2004

Kentucky & Virginia

Tasks/Responsibilities: Volunteered with families to renovate/restore homes in affected area

DISTINCTIONS

Scholarship

Early Scholars: Full Tuition + \$400/year stipend (University of Memphis)

Honors

Honors Club: 1999-2002, 8 Credited Honor Hours (University of Memphis)

REFERENCES

Anijo Mathew, Assistant Professor

Mississippi State University, Graduate College of Architecture

amathe@caad.msstate.edu

662.325.2523

Anna Lambert, Director of Technical Communication

University of Memphis, Herff College of Engineering

apphlps@memphis.edu

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