

JIL CHAMBLESS

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EDUCATION

The University of Alabama, Tuscaloosa, AL
Bachelor of Science in Civil Engineering, May 2002
Master of Arts in Mathematics, December 1991
Bachelor of Science in Mathematics, 1987. Minor: German
Alabama Teaching Certificate for Secondary Mathematics, Class B, 1988. Class A, 1994

EXPERIENCE

Professional Engineer (AL #28279), January 2007 - present
Staff Structural Engineer, June 2002 – December 2006
Engineering Technician, January 2001 – May 2002
Almon Associates, Inc., Tuscaloosa, Alabama

Provide structural engineering services for the design, bid, and construction of various types of architectural, industrial, and municipal projects. Design framing systems, lateral support systems, and foundations using steel, masonry, reinforced concrete, and wood for a variety of structures. Prepare drawings and specifications required for the bid and construction of projects. Review submittals including concrete mix designs, concrete reinforcement placing drawings, steel shop drawings, and truss shop drawings. Observe installation of critical structural components during construction and report on the conformance of the construction to contract documents.

Graduate Research Assistant, February – December 2000
The University of Alabama, Tuscaloosa, Alabama
Department of Civil and Environmental Engineering

Worked on a transportation project researching work zone safety. Analyzed crash data through extensive use of a computer database. Authored a paper on characteristics of work zone crashes. Presented the paper at the Transportation Research Board's National Meeting, Washington, D.C., Jan. 2001 and again at a meeting of the Alabama Section of the Institute for Transportation Engineers, Talladega, AL, Mar. 2001. The paper was published in the *Institute for Transportation Engineers Journal*, May 2002.

Adjunct Faculty, 1997 - 1999

The University of Alabama, Tuscaloosa, Alabama
Supervised, mentored, and evaluated teacher interns.

Math Instructor, January 1994 – January 2000

Tuscaloosa County High School, Northport, Alabama

Taught courses in Technical Algebra, Technical Geometry, Geometry, and Calculus. Served as school representative to the Superintendent's Advisory Council. Chaired a school-wide ten-year study committee to define desired results for student learning. Supervised, mentored, and evaluated teacher interns as part of Clinical Master Teacher team. Served on the West Alabama Tech Prep Articulation Committee. Sponsored the school Chess Club.

Teacher Trainer, 1994 - 1998

Birmingham - Jefferson Tech Prep Consortium

Conducted workshops to train high school teachers in the use of CORD Applied Mathematics curriculum

Temporary Full-time Instructor, April 1992 - December 1993

Bessemer State Technical College, Bessemer, Alabama

Taught courses in Business Mathematics, Technical Mathematics, Algebra, and Physics. Developed, implemented, and directed math lab. Served on committee to develop college-wide multi-media resource center. Served on committee to write proposal for Title III federal grant. Responsible for reviewing and adopting new textbooks and software.

Temporary Part-time Instructor, September 1992 - December 1992

University of Montevallo, Montevallo, Alabama and

Jefferson State Community College, Birmingham, Alabama

Taught Remedial Arithmetic and Algebra courses.

Graduate Teaching Assistant/Part-time Temporary Instructor,

August 1988 - May 1992, August - December 2001

The University of Alabama, Tuscaloosa, Alabama

Taught courses in Calculus, Introductory College Mathematics, Pre-calculus Algebra and Trigonometry, Mathematical Reasoning, and Remedial Mathematics.

COMPUTER SKILLS

Extensive experience with AutoCADD, MS Excel, MS Word, Powerpoint. Experience with engineering design software: STAAD Pro, RAM Structural System, RetainPro, RISA, RISABase, RISAFoot, PileBuck SPW911.

HONORS

Outstanding American Society of Civil Engineers Student at The University of Alabama, Tuscaloosa, Alabama, 2001.

Billy Jones Memorial Scholarship recipient
Contractor License Fee Scholarship recipient
President's List
Dean's List

ACTIVITIES

Musician

Structural Engineers Association of Alabama

Delta Kappa Gamma Society International

Board Member, Alabama Celtic Association, 2005 - present

PTSA Second Vice President, Eastwood Middle School, Tuscaloosa, AL, 2006 - present

Board Member, Alabama Choir School, 2004 - 2006

"Breaking Boundaries" Panelist, Women's Empowerment Conference, University of Alabama, 2005

PTA President, University Place Montessori School, Tuscaloosa, AL, 2002 - 2003

Girl Scout Troop Leader, 2000 - 2004