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Education:

The University of Texas at Austin (UT-Austin) – Austin, TX:

M.S. in Civil Engineering – Expected Graduation May 2007

21 Units Completed; 9 Units in Progress; GPA: 3.81

Relevant Courses: Shear Strength of Soils; Stability of Earth Slopes; Foundations; Advanced Analysis in Geotechnical Engineering (Finite Element with PLAXIS); Earth Retaining Structures; Engineering Geology; Decision, Risk, and Reliability; Rock Engineering.

The University of Arizona (UA) – Tucson, AZ:

B.S. in Civil Engineering – May 2005, Summa cum laude

Experience:

Research Assistant at UT-Austin under Professors Robert Gilbert and Danny Reible – Austin, TX:

September 2005 – Current

Investigating the use of anisotropic consolidation tests to determine if there is contaminant mobilization in very soft contaminated sediments due to the application of sand caps.

Golder Associates Inc. – Tucson, AZ:

July 2005 – August 2005

Internship in the geotechnical engineering department. Used AutoCAD Land Desktop with the Civil Design package to design and draw a construction and demolition debris landfill. Aided in writing, editing, and preparing design report for landfill project.

Call and Nicholas, Inc. – Tucson, AZ:

September 2004 – June 2005

Internship for a geological engineering firm. Performed rockfall analyses using CRSP, performed slope stability analyses using SlopeW and UTEXAS, prepared figures for reports using AutoCAD and MS Office programs, and performed lab testing.

Phelps Dodge Sierrita, Inc. – Green Valley, AZ:

May 2004 – August 2004

Internship in the engineering department at Sierrita Mine. Designed mine roads using AutoCAD Land Desktop with the Civil Design package and transferred designs to the machinery via Caterpillar's CAES System. Surveyed blasting patterns and exploration boring holes with Trimble GPS surveying technology and with total stations.

LZA Technology – Newark, NJ:

June 2003 – August 2003

Internship for a structural engineering firm. Aided in projects varying from designing columns for blast loads to investigating building failures.

Engineering and Testing Consultants, Inc. – Prescott, AZ:

May 2002 – August 2002

Internship for a geotechnical engineering and testing firm. Performed typical lab tests on soil (e.g. proctor test, plasticity index test) and also performed materials testing.

Activities and Honors:

Geo-Institute at UT-Austin:

2006: Vice President.

Engineers Without Borders – USA:

2005 – Current: Mexico Project Distribution Chair, UT-Austin Student Chapter.

2004 – 2005: Founding member of the UA Student Chapter.

American Society of Civil Engineers at UA:

2004 – 2005: President; 2003 – 2004: External Vice President; 2001 – 2003: Member.

Engineering Ambassador for the College of Engineering at UA:

2002 – 2005: Promoted engineering to elementary through high school level students.

Honors at UT-Austin:

2005 – 2006: Recipient of the Rita T. & J. Crozier Brown Endowed Graduate Fellowship in Civil Engineering.

Honors at UA:

2004 – 2005: Outstanding Senior in Civil Engineering; 2001 – 2005: Dean's List.

Tau Beta Pi Engineering Honorary:

2004 – Current: Member.