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Weston Eldredge

Education	1996 - Present	University of Utah	Salt Lake City, UT
		Chemical and Fuels Engineering (B.S.)	(GPA 3.7)
		Chemical and Fuels Engineering (M.S.)	(GPA 3.8)
		<ul style="list-style-type: none">▪ Chemistry Courses: General Chemistry, General Chemistry Lab, Organic Chemistry, Organic Chemistry Lab, Physical Chemistry.▪ Physics Courses: Physics for Scientists and Engineers, Physics Lab.▪ Math Courses: Calculus, Ordinary Differential Equations and Linear Algebra, Probability and Statistics, Partial Differential Equations, Analysis of Numerical Methods.▪ Engineering Courses: Engineering Thermodynamics, Material and Energy Balances, Numerical Methods, Chemical Engineering Thermodynamics, Heat Transfer, Fluid Mechanics, Kinetics and Reactor Design, Separations and Mass Transfer, Process Control, Process Design, and Computational Fluid Dynamics.▪ Computer Science: Scientific Visualization (with vtk).	
Awards received	- Presidential Award		
	Dean's List		
	Recipient- Clyde D. Christensen Scholarship (2001-2002)		
	Recipient- Tuition Waiver (2002-2003)		
Interests and activities	Piano, Weightlifting, Singing, Swimming		
Languages	Serbian and Croatian (Bosnian)		
Work experience	2001 - 2005	University of Utah	Salt Lake City, UT
		Research Assistant	
		<ul style="list-style-type: none">- Acid Mining Drainage (AMD) research- pH, and conductivity testing on AMD leach samples- UV/VIS spectroscopy for sulfate determination in AMD leach samples- ICP testing for metal ions in leach samples- Modeling two phase flow in porous media (using Fortran) with evaporation.	

2005 – Present University of Utah Salt Lake City, UT

Research Assistant

- computation of burning rates in pool fires
- computation of burning rates from fuel-saturated porous media

Volunteer
experience

Served as a missionary for the Church of Jesus Christ of Latter-Day Saints for two years in Croatia and Serbia (1997-1999). Scoutmaster for BSA (2 years).

References

Dr. Edward M. Trujillo, Associate Professor

Department of Chemical Engineering

University of Utah

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