

D. E. Kress

dkress@u.washington.edu

OBJECTIVE

To obtain a full time position in a chemical engineering related field.

EDUCATION

Bachelor of Engineering, Chemical Engineering

Expected: June 2008

University of Washington, Seattle

- Major: Chemical Engineering (UW GPA 3.81, ChemE 3.84)

Related course work:

- Unit Operations I, II
 - Process Design I
 - Thermodynamics I, II
 - Reactor Design I
 - Transport Processes I, II, III
 - Chemical Engineering Computing
 - Organic Chemistry I, II, III
 - Intro to Micro, Macroeconomics
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EXPERIENCE

The Dow Chemical Company, Reliability/Maintenance Intern,

Summer 2007

Freeport, TX

- Utilized reliability modeling to identify equipment with high failure impact.
- Initiated projects to identify failure modes and propose changes. Resulted in identifying solutions to a problem that could potentially affect Dow Chemical's largest customer.
- Gained experience with Six Sigma, statistical reliability modeling, and chemical plant operations.

University of Washington, Undergraduate Research Assistant,

Spring 2007 – Current

Seattle, WA

- Gaining experience working with fiber-matrix adhesion in the field of composites.
- Gained experience in modeling mixing in piping systems in COMSOL Multiphysics.

Sahalee Country Club, Greens Crew- Irrigation Specialist,

June 2004 – September 2006

Sammamish, WA

- Identified and solved frequent issues in the irrigation piping system.

Lake Washington School District, Assistant Football Coach,

August 2004 – November 2006

Redmond, WA

- Managed and led students to learn and participate in the sport of Football.
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AWARDS/ACTIVITIES

College

- Tau Beta Pi- Engineering Honor Society, President.
- Dale Hendrickson Memorial Scholarship Recipient (Senior year full tuition scholarship).
- Dreyfus Scholarship Recipient (Spring 2007).
- Phi Eta Sigma Honor Society (3.5+ GPA, 15 Hours Community Service).
- The National Society of Collegiate Scholars (Member).
- Golden Key National Honor Society (Member).

High School

- Lions Club Community Service and Achievement Award (2001).
 - National Honor Society; 4.0 Cumulative GPA
 - United States Army Reserve National Scholar/Athlete Award (2004).
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KNOWLEDGE

- Fluent in Microsoft Word, Excel, PowerPoint, Outlook, and Adobe Photoshop, Acrobat
- Familiar in COMSOL Multiphysics, Microsoft Publisher, FrontPage, and Adobe Premiere, ImageReady, GoLive, Illustrator.