Kendra A. Erk

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OBJECTIVE:

To acquire a summer internship for 2006 within the field of Material Science Engineering or another engineering discipline before beginning graduate school.

EDUCATION:

Purdue University, College of Engineering, West Lafayette, IN
Major: Material Science Engineering with a minor in Management
Anticipated Graduation Date: May 2006
Cumulative GPA: 3.94
Honors: Freshman Engineering Honors Program; Recipient of the Dean's Scholarship for Engineering; Dean's List: Fall 2002, GPA 4.0: Spring 2003, Summer 2003, Fall 2003, Spring 2004, Fall 2004; Wallace Scholarship; Purdue Academic Success Award; Sopcak Scholar; Honorary NSPE Member; Women in Engineering Program Merit Award; ASM Outstanding Scholar Award 2004, Effron Scholar.

SKILLS:

JEOL JSM 35CF Scanning Electron Microscope and MultiMode Atomic Force Microscope experience; Extensive soldering and metalworking experience (A&D Jewelry and Metalworks I); Basic knowledge of Microsoft Office and XP; Maple, Mathcad; C Programming.

LEADERSHIP/WORK EXPERIENCE:

Material Science and Engineering Department, Purdue **August 2004 – present**
Undergraduate Researcher for Dr. Rodney Trice

- Conducted AFM work on grain boundary grooving profiles of yttria-stabilized zirconia thermal barrier coatings
- Strengthened my integrity as an independent worker

Women in Engineering Mentees & Mentors Program, Purdue **April 2003 – present**
Summer Coordinator, Leadership Team

- Organized and led a major mentoring program for 96 women
- Developed strong teamwork and communication skills
- Gained greater prowess in public speaking and vital organizational skills to run such an extensive program involving many students and professional people

Research Experience for Undergraduates Program (REU), Purdue **June 2004 – August 2004**
Undergraduate Researcher, https://engineering.purdue.edu/MSE/REU/2004Projects/Erk.html

- Investigated the effects of various electrospinning processing parameters on conducting polymer blends and studied the resulting fiber resistivities
- Refined electrospinning ability, technical writing, and presentation skills
- Organized social events and fieldtrips for fellow researchers

ORGANIZATION AND VOLUNTEER ACTIVITIES:

Alpha Sigma Mu (MSE) National Honor Society (2005-present): Vice President
Oral English Proficiency Program (2005-present): Evaluated foreign graduate student teaching simulations
Epsilon Sigma Alpha, Int. (2003 – 2005): Service sorority involved in local, state and national volunteering
Imagination Station (Spring 2004): Volunteered with after-school interactive science programs twice a week