

Resume

Keith D. Cobry

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Education:

University of Colorado at Boulder,

- BS Engineering Physics, BA Germanic Studies: December 2004
- Graduate School: Department of Mechanical Engineering, PhD program. Spring 2005 - present

- Study abroad: Universität Regensburg, Germany. Academic year 2003/2004
- Participated in the SURE (Summer Undergraduate Research Experience) Program: University of Colorado-Boulder. July 1999 - August 1999
- Society of Physics Students, CU-Boulder. Fall 1999 - Fall 2003
- Independent study, UROP (Undergraduate Research Opportunities Program) with the Colorado Space Grant Consortium (CSGC)
 - Science team lead for the Citizen Explorer satellite mission. Spring semester, 2000.
 - Imaging team for the Three Corner Satellite project with Space Grant. Spring 2000.

High School: Centaurus High School; Lafayette, CO. Graduation June 5, 1999

Work Experience:

- Graduate Research Assistant: Department of Mechanical Engineering, University of Colorado-Boulder. Summer 2005 - present
- Teaching Assistant, System Dynamics: Department of Mechanical Engineering, University of Colorado-Boulder. Fall 2005
- Internship with the Institute for Experimental and Applied Physics, Universität Regensburg, Germany. September 2003 - August 2004
- National Institute of Standards and Technology. Boulder, CO. May 2002 - August 2003
 - Professional Research Experience Program (PREP) - undergraduate fellowship
 - Optoelectronics Division, Optoelectronic Manufacturing Group
 - Sample preparation and analysis, data analysis
- Ball Aerospace and Technologies Corp. (BATC). Boulder, CO. Summer 2001 - Spring 2002
 - Hubble Widefield Camera 3 Project: October 2001 - February 2002
 - Electronic Components, Mechanism Test, IR detector test
- BATC Summer Internship Program: Summer 2001
 - Russian American Observation Satellites Program: May 2001 - October 2001
 - Orbital Express, Ball/Spectrum Astro Team: June 2001 - October 2001
- Colorado Space Grant Consortium at the University of Colorado-Boulder. Have worked under the UROP (Undergraduate Research Opportunities) program.
 - SURE (Summer Undergraduate Research Experience) program. July 1999 - August 1999

- International Business Machines (IBM). Boulder, CO. Internship, Printing Systems Division: Summer 2000
 - Hardware test
- United States Soccer Federation Referee: 1996 - 2001
- Lobos Soccer Club tryout coordinator: June 1998
- Lobos Soccer Club Developmental and Louisville Recreational Soccer Referee Assignor: Spring 1999.

Technical skills:

- Laboratory experience, particularly dealing with equipment related to silicon microfabrication (clean room, thin film deposition, oxidation, photolithography, etching, microscopy...)
- Nanoscope Atomic Force Microscope
- LEO Scanning Electron Microscope
- Microsoft Excel, Word, Visio, Power Point
- Have had coursework with Matlab, Mathematica, MathCad, Satellite Toolkit, ANSYS Finite Element Analysis software, C++
- Have worked with UNIX and Interactive Data Language (IDL), PZFlex finite element software, Origin graphing software, IGOR scientific analysis software

Honors and Awards:

- Thomas J. Watson Scholarship recipient (IBM)
- University of Colorado Regents Scholarship recipient
- Colorado/Wyoming regional winner of the German Study Trip sponsored by the Pädagogischer Austauschdienst and the American Association of Teachers of German. Summer 1998
- Eagle Scout: January 1997