

ALEX STOLL

<http://www.AlexStoll.com>

EDUCATION

Stanford University, Palo Alto, California

M.S. in Aeronautics and Astronautics expected 2009.

Rice University, Houston, Texas

B.S. in Mechanical Engineering, *Cum Laude*, May 2008. GPA: 3.89/4.00.

The Hong Kong University of Science & Technology, Hong Kong

Exchange in the Mechanical Engineering program, fall 2006. Equivalent GPA: 3.88/4.00.

Texas Tech University, Lubbock, Texas

Twelve hours of undergraduate math courses from August 2002 to May 2004. GPA: 4.00/4.00.

RELEVANT COURSEWORK

Mechanical Design Applications, Fundamentals of Control Systems, Advanced Fluid Mechanics, Introduction to Aerodynamics, Flight Mechanics and Flight Test Engineering, Aerospace Systems Engineering

SKILLS

Certifications

Cisco Certified Networking Associate (CCNA): January 2005

CompTIA Network+: May 2002

C-TECH Networking Cabling Specialist: December 2001

CompTIA A+: December 2000

Computer Skills

Proficient with Adobe Photoshop, Macromedia Dreamweaver, Microsoft Windows, Word, Excel, and PowerPoint, and (X)HTML/CSS

Working knowledge of Adobe Audition and Premiere, Apple Mac OS X, C/C++, JavaScript, Macromedia Flash, MATLAB, Microsoft FrontPage, OrCAD, PHP, Pro/ENGINEER, SolidWorks, and VHDL

Language Skills

Conversational German

WORK EXPERIENCE

Rice University Department of Computer Science, Houston, TX

Research Assistant with the Resource Aware Programming Group, Fall 2007 through present

Developed and analyzed dynamic mechanical systems to model in Acumen, a mechanical system analysis program in development. Researched the capabilities of existing mechanical system analysis programs.

Rice University Information Technology, Houston, TX

Communications Student Assistant, Fall 2004 through present

Designed information architecture, navigational structure, user interfaces, and graphical components for three large standards-compliant web sites and created and maintained content for these sites. Held focus groups. Managed and trained two student assistants. Created and distributed in-house publications.

Performed student and community outreach functions, representing IT. Evaluated software for departmental purchase.

NASA Dryden Flight Research Center, Edwards, CA

NASA Undergraduate Student Research Program Intern, Summer 2007

Performed systems engineering functions in the Research Flight Systems branch in preparation for flight tests of the Stratospheric Observatory for Infrared Astronomy aircraft, specifically: modeled a control system in MATLAB, helped debug the controller software for this system, created test and software installation procedures, photographed aircraft components, and produced flow charts representing thousands of lines of C code.

KHS AG, Dortmund, Germany

Intern, Summer 2006

Took measurements of bottles, processed data, and redesigned parts for bottle labeling machines via CAD, digitized palette transportation system layouts, and translated between German and English.

HONORS AND ACTIVITIES

Chairman, American Institute of Aeronautics and Astronautics, Rice Chapter, 2007-2008

Treasurer, American Society of Mechanical Engineers, Rice Chapter, 2007-2008

Treasurer, Rice Hong Kong Student Association, 2007-2008

Student member, American Institute of Aeronautics and Astronautics, 2007-2008

Dean's List: fall 2006; President's Honor Roll: fall 2004, spring 2005, fall 2005, spring 2006, and fall 2007

DJ at 91.7 FM KTRU, the Rice student radio station, 2004-Present

Rice University Marching Owl Band, 2004-2005

Eagle Scout Award, 2003

NASA High School Aerospace Scholar, 2003

National Merit Scholar, 2003