

MATTHEW H. WONG

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- EXPERIENCE** **Sandia National Laboratories, Livermore, CA. May 2000 - Present.**
Member of the Technical Staff, Distributed Visualization and Data Services. Developing a nuclear simulator intended for decision analyses in homeland defense. Developed an automated building detector from a monocular aerial image. Developed a cross-platform graphical user interface for a missile trajectory generator intended for the United States Air Force.
- Texas Instruments. January 2002 - August 2002.**
Member of a ten-person usability team. Unified the user interfaces of several Texas Instruments educational product lines, particularly graphing calculators.
- NASA. August 2001 - December 2001.**
Member of a three-person usability team. Explored possible interfaces to complex cognitive models written in Lisp.
- Yahoo! Inc. September 2000 - May 2001.**
Member of a five-person software development team. Redesigned and implemented a scalable architecture and API for Yahoo! Calendar.
- West Yost & Associates, Davis, CA. July 1998 - August 1999.**
Computer Technician. Assisted in designing the corporate intranet and website. Modeled hydraulic networks of water distribution pipeline systems using AutoCAD. Entered and analyzed hydraulic data.
- EDUCATION** **Carnegie Mellon University, Pittsburgh, PA.**
Master of Human-Computer Interaction, School of Computer Science, August 2002. Course work included HCI Methods; User Interface Architecture; Interactive Media; Geographic Information Systems; Information, Communication, Interface, and Interaction Design. GPA: 3.94.
- Harvey Mudd College, Claremont, CA.**
B.S. in Computer Science, May 2001. Course work included Software Development, Algorithms, Artificial Neural Networks, Computer Graphics, Computer Vision, Computer Architecture, Operating Systems, Logic, Data Structures, Electrical Engineering, Systems Engineering, Differential Equations, Discrete Mathematics. Cumulative GPA: 3.63, Major GPA: 3.72.
- COMPUTER SKILLS** Programming in Java, C++, C, Pascal, SML, and Matlab. Expertise in User Interface design and implementation. Experience with Unix, Linux, Windows, DOS, HTML, Java Applets, AWT, Swing, Java2D, JavaScript, CGI, Motif, OpenGL, and Open Inventor.