

# KENT C. HU

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## EDUCATION

University of California, Berkeley  
BS Electrical Engineering and Computer Sciences, May 2002  
Upper Division Major GPA: 3.5 / 4.0

**Coursework:** Operating Systems and System Programming, Digital Systems Design, Database Systems, Efficient Algorithms and Intractable Problems, Combinatorics and Discrete Probability, Programming Languages and Compilers, Machine Structures, Data Structures, Microelectronic Circuits

## EXPERIENCE

**MediaBubble**, San Francisco, CA (February 2003- )  
*Independent Contractor*

- Designing and implementing company intranet using PHP and MySQL, featuring:
  - Database-backed security with logging of page views and attempted logins
  - Sales lead database, personnel database, project snapshot database, expense reports, timesheets, and knowledge bank (all with search functionality)
- Contributed to development of **AmericanBar.com** web site
  - Developed and executed test plan for American Bar Online project
  - Authored and revised documentation (coding standards, development plan)
  - Overhauled web site infrastructure and devised mirroring system for staging area

**IDC Seagull**, New Bern, NC (February 2003- )  
*Administrator*

- Analyzed and evaluated Moen's SAP manufacturing system, including ERP planning and warehousing procedures
- Assisted in planning of operations flow and designing for future warehouse
- Facilitated communication between IDC Seagull's parent company and Moen

**Edgewave**, Tustin, CA (Spring 2000)  
*Software Tester*

- Stress-tested Net Trader software using Web Application Stress Tool and Astra LoadTest
- Developed testing guidelines for future testers

**Boeing**, Downey, CA (Spring 1998 - Summer 1998)  
*Instructor*

- Taught web design workshops to groups of 20 Boeing employees
- Collaborated to develop workshop content and structure

## SKILLS

General Purpose: Python, Java, C/C++, sh/bash scripting, Scheme/Lisp  
Database: SQL, JDBC, XML/XSD, Microsoft Access  
Web: PHP, HTML/CSS, CGI, JSP, Apache, Tomcat  
Operating Systems: Linux, Windows NT4/2000/XP and 95/98/ME, Solaris  
Miscellaneous: Qt, CVS, Xilinx FPGA

Spoken Languages: Fluent in Mandarin Chinese

## PROJECTS

- Designed and implemented a hardware controller and user interface to CD-ROM drive for use as audio CD player (*Xilinx FPGA and software, Windows 2000*)
- Designed and implemented an operating system (NACHOS) with thread management, multiprocessing, virtual memory, and networking capabilities (*Java, CVS, Solaris*)