

# Boxiong Ding

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**OBJECTIVE** A full-time position related to software engineering.  
Available: August 2002

**EDUCATION** **MS** Computer Science (Software Engineering)  
University of Southern California, LA, CA, 08/2002  
**MS** Materials Science  
Washington State University, Pullman, WA, 08/1997  
**BE** Materials Science and Engineering  
Southeast University, Nanjing, China, 07/1992

**COMPUTER SKILLS** Languages: C/C++, Java, PHP, UML, SQL, HTML, CSS, Perl, Fortran, Pascal  
Platforms: Windows 95, 98, 2000, HPUX, Solaris, Linux, Mac OS  
Software: Dreamweaver, MS Visual C++, Rational Rose, ClearCase, MySQL, Mathematica

**WORK EXPERIENCE** **C++ Tutor**

California State University Fullerton, 01/01 – 05/01

- Tutor students on C++ programming in Visual C++ environment and grade homework.

**Research Assistant**

Washington State University, 08/97 – 08/00

- Molecular Dynamics simulation of material properties with C language on HPUX platform.
- Program with Mathematica to analyze experimental data.

**Teaching Assistant**

Washington State University, 08/95 - 05/97

- Conduct labs and tutor students for 300 and 400 level classes.
- Demonstrate and teach students to perform various laboratory testing.

**PROJECTS**

- **Molecular Dynamics Simulation:**  
Write C programs to numerically solve many-body problems with Predictor-Corrector method for an ensemble of 1000-10000 atoms as they evolve with time. Develop an inter-atomic potential using various numerical techniques.
- **Web Based Contract Management System:**  
The system manages 100+ contracts maintained by ISD department of USC. It automatically sends out email notifications upon the expiration of contracts, accesses and manages contract information through a web browser.
- **Unix Simulator**  
The project is written in C and simulates some basic Unix commands, such as cd, ls, pwd, etc., on Minix file system.

**AWARDS**

**Govila Scholarship**  
Washington State University, 2000  
**R. S. Dalrymple Scholarship**  
Washington State University, 2000  
**Graduate Student Research Excellence Award**  
Washington State University, 1997-1998