

# Alexander Lam

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**Objective:** To secure a full-time software engineering job in the software industry, preferably working in a field where a software engineering process is important.

## Education:

- **University of Southern California**  
Masters in Computer Science in Software Engineering earned in December 2001

### Course Work at USC included:

Software Engineering I and II, Artificial Intelligence, Software Economics, User Interfaces, Software Architecture, and Personal Software Process, Issues of Programming Language Design

**Course GPA:** 3.7/4.0

- **Duke University**  
B.S.E. in Electrical Engineering and Computer Science earned in May 1999

### Course Work at Duke University included:

Introduction to Program Design/Analysis, Program Design and Analysis II, Software Analysis and Design, Computer Architecture, Computer Algorithms, Operating Systems, Computer Science Problem Solving Seminar, Numerical Analysis, Probability and Statistics, Switching Theory, Wireless Communication, Electric Circuits, Computer Network Architecture, Full Custom VLSI Design, Artificial Intelligence, and Mathematical Foundations of Computer Science

**Computer Science GPA:** 3.65/4.0

**Honors:** Phi Eta Sigma Honor Society, Dean's List

## Computer Skills:

Familiar with C/C++, Matlab, Java, HTML, JavaScript, and JSP

Familiar with Unix and Windows NT environment

Experience in small team programming environment.

Tools I have used:

Borland C++, Powerview, Matlab, Maple, PSPICE, XEmacs, PICO,  
Hyperwave Information Server, and Rational Rose.

## Work Experience:

**USC Center of Software Engineering** - Research Assistant (5/01-present) Los Angeles, CA

Work involved: Developing software systems on Hyperwave and studying/modeling how to use COTS products to build software systems. Projects included modeling Opportunity Trees and the WinWin Spiral Model in software.

**USC Computer Science Grader** (9/00 – 5/01) Los Angeles, CA

**Lockheed Martin** – Mission Systems – Software Engineer (7/99 – 8/00) Beltsville, MD

Work involved: developing and fixing software to process information for the government.

**Ford Motor Company** - Computer Programmer (Summer of 1998) Dearborn, MI

Work involved: writing a program to interact with air bag modules & collect information from them during the air bag testing phase.

\*I am a U.S. Citizen authorized to work in the United States.