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### Teaching Experience

- 1/02 – present     **Portland Community College**     Portland, Oregon  
Instructor, Computer Science (*courses*: Computer Science I & II (CS161 & 162), Computer Systems I & II (CS200 & 201), Data Structures(CS260)), Programming Systems (CS261)).
- 1/01 – 10/02     **Southridge High School**     Beaverton, OR  
Volunteer Computer Science lecturer in the Advanced Placement and International Baccalaureate programs.

### Programming Experience

- 7/99 – 5/01     **Intertrust / Infinite Ink**     Portland, Oregon  
eBook software: encryption, digital rights management, and hardware fingerprinting.  
*Hardware: PC, Palm. Operating Systems: Windows, Palm. Languages: C++, C, XML, Perl, Intel Assembler.*
- 11/87 – present     **MLT Software, Inc.**     Tigard, Oregon  
Contract software development. Web site programming specializing in Java since 1995.  
Software design and programming for iDream Software's Jio. Jio is a Java application which was used on the Eddie Bauer web site as its "Virtual Dressing Room".  
Other projects include research prototypes for the Center for Human/Computer Communications at Oregon Graduate Institute and the Informed Patient Decisions Group at Oregon Health Sciences University, product prototypes for Claris, DecisionMaker (decision tree analysis), and Sun Clock (which shows day and night areas on a world map).  
*Operating Systems: Java, Macintosh OS, Windows, UNIX.*  
*Languages: Java, Perl, CGI, HTML, C/C++, Visual Basic, Pascal, HyperCard, Prograph.*
- 10/86 – 5/88     **Saba Technologies**     Beaverton, Oregon  
Optical character recognition software and diagnostics for a hand-held scanning device.  
*Operating System: MS-DOS. Language: FORTH.*
- 2/83 – 4/86     **Metaphor Computer Systems**     Mountain View, California  
Software and user interfaces for the Metaphor workstation, including inter-application communication, the windowing package, low-level diagnostics for the workstation hardware, and parts of the text editor.  
*Hardware: VAX 11/780, Motorola 68000. Operating System: UNIX. Languages: C, Awk.*
- 6/80 – 1/83     **Xerox**     Palo Alto, California  
Prototype software for a voice messaging system. Prototype sound editor. Performance measurement of file servers. Software for the Star workstation, including access to networked resources and the online help system.  
*Hardware: Alto, Dolphin, Dandelion (Xerox proprietary). Operating System: Pilot. Language: Mesa.*
- 6/79 – 5/80     **Ford Aerospace and Communications**     Palo Alto, California  
An interpreted computer language for use by novice programmers including both the usual programming language constructs and an interface to a relational database (Oracle).  
*Hardware: PDP 11/70. Operating System: UNIX. Languages: C, YACC, LEX, SEQUEL.*
- 6/78 – 5/79     **Naval Personnel Research and Development Center**     San Diego, California  
Application of artificial intelligence techniques to the construction of training and decision aids. Development of a graphics-oriented training aid for operators of naval propulsion systems  
*Hardware: PDP-10. Operating Systems: TOPS-10, UNIX. Languages: LISP, Pascal, BASIC.*
- ### Education
- 9/71 – 6/78     **Rutgers University**     New Brunswick, New Jersey  
M.S. and Ph.D. in Computer Science (Artificial Intelligence). Doctoral research on medical applications of artificial intelligence. Masters research on natural language understanding.  
*Hardware: PDP-10, IBM 370. Operating Systems: TOPS-10, TOPS-20, TENEX, IBM-MVS.*  
*Languages: LISP, GPSS, PL/I, FORTRAN.*
- 9/63 – 6/67     **Brooklyn College**     Brooklyn, New York  
B.A. in Mathematics. Phi Beta Kappa. Scholars' Program.  
*Hardware: IBM 1620. Languages: Assembler, FORTRAN.*