David Wagner

96 Orchard Street
Cos Cob, CT 06807
Tel: (203)861-0782
E-mail: dwagn@jyacc.com

Objective

A position programming in C, C++, or Java under Unix

Education

- M.S. *State University of New York at Stony Brook*, Stony Brook, NY - May 1995
Concentration - Computer Science
- B.A. *Colgate University*, Hamilton, NY - May 1993
Dual Concentration - Mathematics and Computer Science

Experience

Technical Solutions Engineer
July 1996 - Present

JYACC, New York, NY

- Assisted customers with problems involving the company products, especially JAM, a multi-platform database interface and report generating tool.
- Developed a system to send and receive questions via email using C, SQL, ksh, sed, and other Unix utilities.

Programmer
November 1995 - May 1996

Wanderlust Interactive, New York, NY

- Designed and implemented a logic engine for a children's computer game written in Visual C++ for MS Windows '95.
- Designed and implemented a "Walking Manager" using the Shortest Path Algorithm to determine the paths of characters.
- Enhanced existing game page authoring system.

Consultant
October 1994 - November 1995

R.T. Griffin Inc., Massapequa, NY

- Implemented a windowing interface to a short wave radio under NeXTStep using Objective-C, dbkit, Interface Builder, and Project Builder.

Research Assistant
January 1994 - May 1995

Department of Computer Science, State University of New York at Stony Brook

- Worked with a team of students to implement and test base classes for an algorithms package in C++.

Tutor
January 1990 - May 1993

Department of Mathematics and Department of Computer Science, Colgate University

- Assisted students with C, Pascal, 68000 Assembler, LISP, Lotus 1-2-3, Quattro Pro, Word Perfect, Logo, and Mathematica on both MS-DOS and Unix platforms.

Researcher
Summer 1992

Department of Computer Science, Colgate University

- Explored parallel algorithms for a prime number generator.
- Implemented simulated annealer for faster matrix multiplication in parallel.

Assistant System Administrator
Summer 1991

Asea Brown Boveri / Combustion Engineering, Windsor, CT

- Set up Emacs editor and TPU editor in a Unix based, X-Windows environment to be available for system wide use, and reprogrammed both to emulate other editors.

Summer Engineer
Summer 1990

Asea Brown Boveri / Combustion Engineering, Windsor, CT

- Performed code conversion in Fortran from MS-DOS to Unix of programs which conduct safety checks on nuclear reactors.

Honors

- Colgate Programming Team 1990-1993. Placed 1st in ACM regionals 1991. Attended National Finals 1992. Team Captain 1992-1993
- Colgate Math Team 1991-1992
- Deans List, Colgate University Fall 1992

Coursework

Computer Science (Graduate) Compiler Design, Computer Architecture, Techniques of Software Design, Computer Graphics, Principles of Programming Languages, Computational Geometry, Artificial Intelligence

Computer Science (Undergraduate) Data Structures and Algorithms, Computer Organization, Principles of Design for Large Systems, Operating Systems, Parallel Computing, Theory of Computers, Analysis of Algorithms

Mathematics Linear Algebra, Discrete Mathematics, Differential Equations, Real Analysis, Abstract Algebra, Numerical Analysis, Applied Math in the Social Sciences

Computer Skills

Languages (Proficient) C, Pascal, Objective-C, C++, BASIC

Languages (Semi-Proficient) Java, Fortran, PC Scheme(LISP), Visual C++, 68000 Assembler, Occam, (A Parallel Language)

Windows Programming X-Windows/Motif, Interface Builder for NeXTStep, Visual C++, JAM, Java

Operating Systems Unix, VMS, MS-DOS, MS Windows 95, NeXTStep, Motif, Sun OpenWindows

Foreign Language Skills

- Nearly Fluent in Spanish (6 years study)
- Conversant in Japanese (2 years study)
- Familiar with Chinese (1 semester study)

Other Activities

Organizations

- **Guildmaster,** *Science Fiction and Fantasy Association* - Wrote and maintained a computerized bulletin board service on VMS operating system in Pascal and DCL, used for posting bulletins, sending mailings, and playing games; Organized trips to other colleges hosting science fiction related events. 1990-1993
- **Big brother,** *Big Brother/Big Sister Program* 1993
- **Event Programmer,** *Ecology House* 1993

Sports Varsity Lacrosse, Club Ultimate Frisbee, Squash, Volleyball, and Kendo.

References

Available upon request