

# Peter E Katsanis

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## Objective

Obtain a full-time position in the field of software development whereby I can both utilize my educational background and expand upon my knowledge base.

## Summary

- M.S. Computer Science; expected graduation in May 2003.
- Bachelors of Science in Computer Science with minors in Mathematics and Psychology.
- Proficient with Java, C, Unix, Perl / CGI, and HTML.
- Areas of expertise include network and distributed programming (client-server), web technologies (Servlets, Perl / CGI), and systems programming (UNIX).

## Education

**M.S., Computer Science** Villanova University, Villanova, PA May. 2003

- GPA 3.5/4.0
- Coursework 100% complete.
- Currently completing independent project on Servlets and web technologies.
- Recipient of full academic scholarship and assistantship (20-30 hrs / week).
- Coursework: Distributed Systems, System Programming in UNIX and C, Advanced System Programming, Design and Implementation of Computer Games using Java, Linguistics of Programming Languages, Operating System Concepts, Theory of Computability, Design and Analysis of Algorithms, and Computer Organization.

**B.S., Computer Science** Moravian College, Bethlehem, PA Dec. 1999  
Minors: Mathematics & Psychology

- Major GPA 3.4/4.0
- Hardware-oriented courses: Computer Organization and Design
- Software-oriented courses: Data Structures and Algorithms, Principles of Programming Languages, C and the UNIX Environment, Database Analysis and Design, and Introduction to Object Oriented Programming (OOP) I and II with ADA 95
- Joint Hardware/Software oriented courses: Operating Systems, and Networking and Distributed Computing.
- Mathematics: Calculus I through Calculus III, Combinatorics, and Linear Algebra.

## Relevant Skills

### *Programming Languages*

- Proficient with Java, C, Unix, Perl / CGI, and HTML.
- Extensive experience with ADA 95 and, the functional language, MIT-Scheme (a LISP variant).
- Working knowledge of Bourne / Korn / C shell, Visual Basic (for Windows CE), and MySQL.
- Other programming experience includes awk, DOS (batchfile), Borland Pascal, JavaScript, and Assembly.

### *OS Environments*

Windows 3.x, Windows 95, Windows 98, Windows XP, Unix (Solaris 2.5+), Linux (Redhat 6.0+), Mac OS 9, and Mac OS X.

### *Graphics/Text manipulation*

Photoshop 6, Illustrator 9.0, QuarkXpress 4.0, Dreamweaver 4, and FrameMaker 5.5.6

## Experience

6/00 – 8/01 Villanova University Villanova, PA

### Graduate Assistant – Teacher’s Assistant

- Assisted students with “System Programming in UNIX and C” (CSC 8700, Spring ‘01), “Software Development and Systems” (CSC 4630, Spring ‘01), and “Distributed Systems” (CSC 8530, Summer ‘01) course material and laboratory assignments.
- Graded all programming assignments for System Programming in UNIX and C, Software Development and Systems, and Distributed Systems.
- Modified bourne shell and awk scripts to partially automate grading and report generation of student assignments.

### Graduate Assistant – Junior System Administrator

- Conducted full and incremental system backups.
- Wrote custom bourne shell scripts to monitor student computer usage, and to email idle students.
- Developed HTML based front-end for displaying web cam pictures using Perl / CGI.

### Research Assistant – National Science Foundation (NSF) grant project #99-51352

- Constructed custom Perl / CGI scripts to display selected MySQL data over the web using HTML.
- Created new tables and modified old tables using the MySQL command line.
- Gathered information from various sources to offer background data for the study.

5/01 – Present Sapho Enterprises Wildwood, NJ

### Web Designer

- Redesigned Company Web Page (<http://www.quebecnjshore.com/>)

8/98 – 5/00 Moravian College Bethlehem, PA

### Teacher’s Assistant / Grader

- Assisted students with “Introduction to Computer Science I” (CS121, Fall '99), “Principles of Programming Languages” (CS256, Spring '99 and Spring '00), and “Data Structures and Algorithms” (CS244, Fall '98 & Fall '99) course material and laboratory assignments.
- Graded programming assignments (CS244, Fall '98 and Fall '99; CS256, Spring '99 and Spring '00; CS121, Fall '99).
- Helped maintain “Data Structures and Algorithms” course web page (Fall '98).

## Affiliations

1998 – 2000 Association for Computing Machinery Bethlehem, PA

### President

- Designed and maintained new Association For Computing Machinery (ACM) web page.
- Organized lectures involving local and non-local computer professionals and instructors.

1998 – Present Association for Computing Machinery National Org.

### Member

- Participated in Mid-Atlantic regional competition (11/99).

References available upon request.