

JENNIFER ANNE THOMPSON

SKILLS SUMMARY

- Proven research and communication skills
- Experienced and reliable as both an independent and team worker
- Innovative, self-motivated, and attentive to detail
- Working knowledge of French
- Detailed training in human factors analysis, design, and evaluation methodologies

COMPUTER PROFICIENCY

- Desktop Publishing Software: Microsoft Office, WordPerfect
- Engineering Software Packages: AutoCAD (r13), Maple V, MATLAB, World Up, Minitab
- Programming Languages: C++, Visual Basic, HTML, JavaScript
- Operating Systems: Windows98, WindowsNT, UNIX

EDUCATION

August 1998 – present

Virginia Tech – Blacksburg, Virginia

- Candidate for Masters of Science, Industrial and Systems Engineering, Human Factors Engineering and Ergonomics Option
- *Courses:* Usability Engineering, Research Design, HF Systems Design

September 1993 – May 1998

University of Waterloo – Waterloo, Ontario

- Honours Bachelor of Applied Science, Systems Design Engineering

PUBLICATIONS

Williges, R.C., Thompson, J., and Andre, T.S. (1999). Usability Evaluations of a Voice Email System. Technical Report HCIL-99-01. Industrial and Systems Engineering, Virginia Tech.

Edwards, G., Thompson, J., and MacGregor, C. (1998). Investigating the role of guided tours in virtual reality environment. In *Proceedings of the 30th Annual Conference of the Human Factors Association of Canada*, October 19-22, 1998. p. 3-9.

- Winner of the HFAC Undergraduate Student Paper Award & Ontario Chapter Student Paper Award

MEMBERSHIP

- Human Factors and Ergonomics Society (HFES) and Student Chapter, Fall 1998-present
- Human Factors Association of Canada (HFAC), Fall 1998-present
- Alpha Pi Mu, Honours Academic Society, Spring 1999-present

ACADEMIC WORK EXPERIENCE

Graduate Teaching Assistant

Winter 1999, Summer 1999

Introduction to Human Factors Engineering; Dr. Barfield, Dr. Pesante

- gave lectures, graded assignments, and created a course web page
- prepared and conducted lab sessions pertaining to various HFE topics

Graduate Research Assistant

Fall 1998

Human Computer Interaction Laboratory; Dr. R.C. Williges

- conducted a usability evaluation of a system providing voice access to email using the remote user-reported critical incident technique
- designed and tested an on-line training tool for critical incident reporting

PROFESSIONAL WORK EXPERIENCE

Computing Devices Canada, Human Factors Engineering

May 1997 - August 1997

Human Factors Engineering

- assisted in the usability evaluation of a desktop videoconferencing system
- designed and conducted field trials to assess the design of radio harnesses
- conducted a format experiment to test voice recognition capabilities of a combat radio

Consumers Gas, Operations Engineering

September 1996 - December 1996

Engineering Assistant

- developed performance requirements for potential standpipe sealant materials and carried out necessary tests within a laboratory environment
- tested and implemented changes to modules of a Visual Basic program
- developed a testing methodology for group evaluation of the program
- carried out and presenting findings from new product investigations

Transport Canada, Road Safety and Motor Vehicle Regulation, Ergonomics Branch

January 1996 - April 1996

May 1995 - August 1995

Ergonomics Research Assistant

- designed, validated, and conducted a testing methodology to determine the effect of increased head restraint height on driver visibility
- used digitizing technology and CAD software to process and analyze data
- applied standard automotive and human factors measurement practices
- measured and evaluated seat belt fit in a variety of passenger vehicles

Dantec Systems Corporation

September 1994-December 1994

Software Engineer

January 1994 - April 1994

Process Analyst

- applied software engineering and object-oriented principles to the development of a sensor performance analysis software tool
- developed and presented experimental procedures to assess correlations between process variables and characteristics of a pharmaceutical product

RESEARCH INTERESTS

- Remote usability evaluation
- Performance in virtual environments
- Accessible interface design

AWARDS AND ACHIEVEMENTS

- NSERC PGS-A Scholarship, Fall 1998-present
- Sanford Flemming Foundation Award for Academic Excellence, Spring 1998
- Canadian Posture and Seating Centre Scholarship, Fall 1997
- Doreen Brisbin Award, Spring 1997
- Faculty of Engineering Upper Year Scholarship, Spring 1996, Winter 1997, Fall 1997
- Canada Scholarship, Fall 1993 – Spring 1998

PERSONAL ACTIVITIES AND INTERESTS

- Member of the Masters Swim Team, Blacksburg, Summer 1999
- Co-captain of the HFES VT inner tube water polo team, Winter 1999
- Participate in ballet and jazz lessons, swimming, weight training, and aerobics
- Enjoy reading, hiking, mountain biking, and playing the piano