

Christopher Whitt

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KEYWORDS

Electrical Engineering, Signal Processing, Software Design, Acoustics

SKILLS

- Training in software engineering, DSP, digital communications, computer architecture, hardware design, and assembly language programming.
- Software design and development using a variety of tools including UML, Java, C/C++, and Matlab.
- Strong interest in applied acoustics.
- Excellent familiarity with computers. Experience with many versions of Unix-like, MacOS, and MS Windows systems, including basic system administration.
- Ability to learn quickly. Excellent reading comprehension, solid understanding of math concepts, and strong problem solving skills.
- Well-rounded in concert production, with knowledge of acoustics and experience in equipment set-up, trouble-shooting, live sound mixing and lighting operation.
- Comfortable with public speaking and technical writing.
- Basic knowledge of written and spoken French.
- Play several musical instruments: bass guitar, double bass, guitar and drums.

EDUCATION

September 2000 - Present

Master of Engineering, [Memorial University](#) - St. John's, Newfoundland

- Thesis research on acoustic array signal processing. Coursework in ocean acoustics, information theory, image processing and computer architecture. Completed a seminar course in teaching. GPA 3.80

September 1994 - April 2000

Bachelor of Engineering, [Memorial University](#) - St. John's, Newfoundland

- Electrical Engineering, specialized in Computers and Communications. Graduated first in class, GPA 3.92.

EXPERIENCE

January 8, 2006 - Present

Telecommunications Instructor, Faculty of Engineering Technology, [College of the North Atlantic Qatar](#), Doha, Qatar

- Taught courses in digital logic, microprocessors, basic circuit theory and math.

October 1, 2004 - December 27, 2005

Audio and Lighting Technician, [ABI Productions](#), Halifax, Nova Scotia

- Responsible for setup, operation and maintenance of all lighting equipment, including computized automated lighting, for concerts and corporate events.

January 2003 - September 2004

Freelance Audio and Lighting Technician, Halifax, Nova Scotia

- Setup and operated professional concert sound and lighting systems for many festivals and corporate events in and around Nova Scotia.

September 2000 - April 2002

Teaching Assistant, Faculty of Engineering and Applied Science, Memorial University

- Responsible for correcting and grading student assignments, as well as providing tutorials for students in math and software engineering courses.

August 23, 1999 - December 17, 1999

Software Engineer, [Instrumar Limited](#), St. John's, Newfoundland

- High-level software design with UML and well as low-level code timing optimization.

January 4, 1999 - April 23, 1999

Software Engineer, [CORETEC Incorporated](#), St. John's, Newfoundland

- Performed simulations using MATLAB to test the functionality of third party modules for a company product.

April 27, 1998 - August 28, 1998

September 2, 1997 - December 19, 1997

Software Engineer, [Lotek Marine Technologies Inc.](#), St. John's, Newfoundland

- Worked independently to design and develop a C/C++ software package for numerical processing in animal telemetry.

January 6, 1997 - April 18, 1997

May 6, 1996 - August 30, 1996

Software Engineer, [Newbridge Networks Corporation](#), Kanata, Ontario

- C/C++ software development in a large real-time software environment for Frame Relay and ATM WAN hardware.

AWARDS AND ACTIVITIES

Scholarships and Fellowships:

- NSERC PGS 'A'
- F. A. Aldrich Fellowship
- Atlantic Accord Career Development Award
- APEGN Award for Engineering Excellence and Memorial University Medal for Electrical Engineering 2000
- Schlumberger Scholarship 1999
- NSERC Undergraduate Research Award 1999
- Atlantic Accord Scholarship 1999, 1997, 1994
- Numerous other undergraduate scholarships.

Member of:

- [Institute of Electrical and Electronics Engineers](#) (IEEE)
- [Audio Engineering Society](#) (AES)

Volunteer Experience:

- 1992-2002 Member of technical production team at [Bethesda church](#), involved in all aspects of operating, designing, and installing sound, video and lighting systems. Also involved in training and coordinating volunteers for [Lythouse Youth Ministries](#), the church youth group.
- 1998-1999 IEEE Student Branch Chairperson (vice-Chair 1996-1997).

PUBLICATIONS

- C. Whitt, C. Moloney, "**Simulation of Loudspeaker Arrays**", *Proceedings of the Eleventh Newfoundland Electrical and Computer Engineering Conference*, 2001.
- C. Whitt, C. Kinden, J. Loder, J. Seshadri, Dr. S. O'Young, "**The Establishment of a McNaughton Resource Centre at Memorial University of Newfoundland**", *Proceedings of the Eighth Newfoundland Electrical and Computer Engineering Conference*, 1998
- D. Cote, R.T. Lindstrom, R.S. McKinley, G.H. Niezgod, L.M.N. Ollerhead, D.F. Rowsell, D.A. Scruton, C.J. Whitt, "**A Coded Acoustic Telemetry System for High Precision Monitoring of Fish Location and Movement: Application to the Study of Nearshore Nursery Habitat of Juvenile Atlantic Cod (*Gadus Morhua*)**", *Marine Technology Society Journal*, Spring 1998

References available upon [request](#).

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