

Christopher Whitt

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KEYWORDS

Electrical Engineering, Software Design, Signal Processing, Acoustics, Sound Reinforcement.

SKILLS

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

EDUCATION

September 2000 - Present

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

- Thesis research on array signal processing for sound reinforcement.
- Coursework in acoustics, information theory, image processing and computer architecture.
GPA 3.80

September 1994 - April 2000

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

- Graduated at the top of the class, GPA 3.92.
- Electrical Engineering, specialized in Computers and Communications.

EXPERIENCE

August 23, 1999 - December 17, 1999

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

- Designed and documented a Windows-based application using UML and Visual Basic.

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.
- Worked independently to modify and improve existing in-house MS Windows-based software utilities.
- Assisted in the company's pursuit of a patent.

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.
- Preliminary investigation for a graphical user interface to the numerical processing software as well as the telemetry receiver system.
- Provided computational support for prototype testing and field trials, and participated in the early stages of implementation of process quality systems.

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.
- Designed and implemented the control interface for a proprietary software suite to test a remote access product.

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. Niezgoda, 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

AWARDS AND ACTIVITIES

Graduate Fellowships:

- NSERC PGS ' A ' (\$34 500)
- F. A. Aldrich Fellowship (\$15 000)
- Atlantic Accord Career Development Award (\$13 000)

Undergraduate Scholarships:

- APEGN Award for Engineering Excellence and Memorial University Medal for Electrical Engineering 2000
- Schlumberger Scholarship (\$1000) 1999
- NSERC Undergraduate Research Award 1999
- Atlantic Accord Scholarship (\$2000) 1999, 1997, 1994
- IEEE Newfoundland and Labrador Section Scholarship (\$1000) 1998
- Charles O. Thomas Scholarship (\$750) 1998
- Faculty of Engineering Dean' s List 1996-1999
- Provincial Centenary of Responsible Government Scholarship (\$1000) 1998
- Doctor William Boyle University Scholarship (\$1000) 1998, 1997
- David S. Templeton Engineering Scholarship (\$2000) 1997
- Dr. S.M. Blair Memorial Alumni Award for Excellence in Engineering (\$500) 1996
- R.G. Reid Undergraduate Scholarship (\$2200) 1996, 1994

- Canada Scholarship (\$10 000) 1994
- Provincial Electoral District Scholarship (\$1000) 1994

High School Awards:

- Governor General' s Bronze Medallion 1994
- Principal' s Honor Roll, school board scholarships in math and social studies, wrote the Canadian Invitational Mathematics Challenge.

Member of:

- [Institute of Electrical and Electronics Engineers](#) (IEEE)
- [Audio Engineering Society](#) (AES)
- Association of Professional Engineers and Geoscientists of Newfoundland (APEGN)

Past Member of:

- Newfoundland Symphony Orchestra (NSO) and Newfoundland Symphony Youth Orchestra (NSYO)
- Memorial University Jazz Band and Festival Choir
- High School Concert Band, Concert Choir, Regional Math League team.

Volunteer Experience:

- 1998-2002 Technical Director of [Lytehouse Youth Ministries](#), responsible for sound systems, lighting, and technical teams.
- 1998-1999 IEEE Student Branch Chairperson and vice-Chair (1996-1997).
- 1995-2002 - Assistant technician for weekly church radio broadcast.
- 1992-2002 - Regular member of technical production team at [Bethesda church](#), advising on audio-visual system design and installation.
- 1998,1995,1994,1992 Traveled with youth teams working with local churches in Estonia, Iceland, the Netherlands, and Trinidad and Tobago.

References available upon [request](#).

Updated 2003-01-12