MATTHEW WOELK

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Personal Profile
I am a fourth year Computer Engineering student at the University of Manitoba. I am an IEEE student member with experience in electric circuit design and construction, as well as software design and implementation. I am looking for a position as an Engineer In Training beginning in Spring, 2011.

Education

2006-Current	University of Manitoba. Computer Engineering. Total GPA to date: 3.13
1999-2006	Mennonite Brethren Collegiate Institute. Graduated with Honours and 37.5 total credits. Served as Student Body Co-President 2005-2006.

Related Experience

Exchange Program: 2010 - Winter Semester	Worked with a partner to create an Artificial Intelligence strategy for a simulated soccer team. Development was done in the MATLAB environment. All of the high level strategy was programmed by us. This was part of an exchange program in Budapest, Hungary. Our team defeated all of the previously programmed teams. A detailed report is located at http://www.mattwoelk.ca/school/ThesisMatthewWoelk.pdf

Work Experience

Bockstael Construction: 2004-2007 - Spring/Summer	Worked as a Labourer for the summers of 2004-2007. Responsibilities included keeping the work environment uncluttered and safe, shoveling, sweeping, cutting and measuring materials, and the operation of mechanical equipment such as water pumps and leaf blowers.
Red Rock Bible Camp: 2007-2009 - Summer	Worked as maintenance staff and as a counselor. Responsibilities for counselor position included taking care of children and teens ages 7-17, organizing and instructing skill tasks, and training future staff members. Responsibilities for maintenance included but were not limited to moving furniture, cleaning restrooms, and plant removal.

Volunteer Work

Eagle Bay Camp:	Maintenance Staff.
Various Soup Kitchens:	Washing dishes and cleaning working environment.
McIvor Church Youth Program:	Youth Leader. Working with the youth directly and planning and organizing events.
McIvor Church Sound Team:	Setup and operation of sound board and equipment.
McIvor Church Worship Team:	Leading and organizing a music team.
Children's Musical:	Directing and coaching a children's musical.
MBCI Improv Team:	Coaching a high school drama-improvisation team for three years.

Skills:
- Setting up and maintaining a linux-based server for hosting websites which support PHP and MySQL.
- Working with the Arduino open source micro-controller board. This includes creating software and peripheral circuitry for the device, and working with the ATmega168 micro-controller.
- Programming in Java and Ruby.
- Leadership skills. I have coached a high school improvisational drama group and I am a youth leader at McIvor Church.

Interests:
I know how to play a variety of musical instruments, most of which are self-taught. The primary ones are Trumpet, Acoustic and Electric Guitar, Bass Guitar, and Drum Set.

References available upon request.