

Kristine Tomlinson

Contact Information

E-mail: info@kristinetomlinson.com

Profile

- Strong leadership and communication skills; developed through many of my volunteer and work experiences
- Hard-working, committed, and organized, leading to academic and workplace success
- A reliable, enthusiastic, and approachable individual who is self-motivated and goal-oriented
- Wide range of interests including photography, illustration, web design, mathematics, snowboarding and wakeboarding

Education

Queen's University (Kingston, ON)

Sep 2007 – Apr 2014

Bachelor of Science in Electrical Engineering with Professional Internship

- Graduated from Queen's University's Electrical Engineering program with a 3.89 GPA in the final year
- Received a \$2000 Queen's Entrance Scholarship for having an entrance average above 88% and a \$1000 Dean's Scholar Grant for keeping an average above 80% in the first year
- Completed a year of Chemical Engineering before switching to Electrical Engineering, and have taken extra math courses. I also took two years off school: one to explore my interests in travelling and snowboarding and the other to do an Electrical Engineering Internship through the Queen's Undergraduate Internship Program (QUIP)
- Awarded 2nd in the 2014 Electrical and Computer Engineering Design Competition (out of 23 teams), for our work on "A Sensory Framework for Balanced Posture" – a system that gives feedback on a user's balance and posture using the Microsoft Kinect for Windows and Wii Balance Board as input sensors

Work Experience

Teck Coal Limited, Fording River Operations (Elkford, BC)

May 2012 – July 2013

Electrical Engineering Intern

- Designed and implemented a new single line drawing standard for the mine using AutoCAD Electrical
- Created an optical fiber layout drawing for the mine
- Consistently had multiple projects going on simultaneously. Projects involved planning and research, choosing and ordering parts, hiring contractors, supervising contractors (making sure they were abiding by the Teck safety standards), ensuring the appropriate parties were paid, and properly documenting all project information. Some examples of these projects include:
 - Installing an emergency back-up generator for the mine's potable water station
 - Redesigning the electrical to support a pump replacement
- Gained experience in project management, the mining industry, power distribution, electronics, communications and controls

Dorset Environmental Science Centre (Dorset, ON)

May – Sep 2009 and 2010

Lab Technician

- Applied knowledge from my Chemical Engineering courses to perform tests on water samples; obtaining information such as pH, alkalinity, cation and anion concentration, colour, total inorganic and total organic carbon concentration and total nitrogen concentration. Would also go into the field to collect samples
- Developed multitasking skills because it was more efficient to run multiple tests simultaneously
- Used programming skills to develop macros in excel to process data more efficiently

Camp Muskoka (Bracebridge, ON)

July – Sep 2011

LIT (Leaders in Training) Counselor and Rock Climbing Supervisor

- Used my leadership and organizational skills to plan and run activities in order to help facilitate the growth of leadership qualities in campers. Always led by example, demonstrating what it means to be a positive role model
- Took the initiative to help set-up the rock wall, and ran the rock climbing activity at camp. Provided instruction to campers on climbing etiquette and safety regulations

Fernie Alpine Resort (Fernie, BC)

Dec 2010 – May 2011

Snowboard Instructor

- Used communication skills, analogies and tactics to help explain concepts and techniques to improve a client's riding abilities. Always kept a fun and safe environment ensuring client satisfaction

Computer Programming (APSC 142) Teacher's Assistant

- Ran a weekly lab for approximately 50 students, marked quizzes and independently organized voluntary tutorials. Used knowledge of the material to ask the students questions that guided them to discover the solutions to their problems on their own, rather than simply providing the answer

Volunteer Experience

EOLS (Eastern Ontario Leadership Seminar) Participant and Staff Member

- Selected in grade 10 to represent my school at a three-day seminar where I participated in many leadership activities. Enthusiasm and demonstration of strong leadership skills allowed me to be hired as a volunteer staff member the following year. I organized and ran activities to help the new grade 10 students develop their leadership skills

QPID (Queen's Project on International Development) Fundraising Committee Member

- Planned and carried out events to raise money for QPID with a group of 9 other committee members

Academic Tutor

- Independently organized and advertised voluntary tutoring sessions for first year Applied Science students at Queen's University in the following subjects: Calculus, Chemistry, and Computer Programming

Sports Coach/Instructor

- Instructed snowboarding at Wapiti Ski Hill for the 2012-2013 winter
- Coached soccer to a team of 12-year-old boys during the summer of 2006, a team of 9-year-old boys in 2008 and a team of under-5 girls in 2009

Other Qualifications

Technical Skills

- Have experience using Microsoft Word, Excel, Access and PowerPoint, Adobe Photoshop, Illustrator and Flash Professional, MATLAB, Solid Edge, AutoCAD Electrical, ADS (Advanced Design System), Visual Studio, NetBeans, PSpice, Maple PhoneGap, Maya 3D Animation Software, Unity 3D Game Engine, Xcode and iMovie
- Have experience programming in C, C#, C++, Assembly, PHP, SQL, HTML, CSS, JavaScript, Java, Action Script and MATLAB
- Have experience building circuits using proto-boards and analyzing them via oscilloscopes, ammeters, voltmeters, and ohmmeters

Certifications

- Trained in WHMIS, Marine First Aid (Standard First Aid) and CPR, Orcka Flatwater Training (a and b), Roadside Work Training, Ice and Water Hazards Training and have obtained my Bronze Cross in Swimming
- Full Driver's Licence and Pleasure Craft Operating Card holder
- A certified Waterski and Wakeboard Instructor by WSWO (Waterski and Wakeboard Ontario)
- A CASI (Canadian Association of Snowboard Instructors) level 2 certified Snowboard Instructor

Awards

GE Scholar Leaders Scholarship Recipient

- Awarded to female engineering students that display role-model qualities (volunteering, academics, community involvement)

Sarah Leeder Spirit Award

- An award in memory of Sarah Leeder, a former student of BMLSS. It is awarded to an individual who displays extensive involvement with the school, community, competitive sports, and the arts, while maintaining a high academic average

Athlete of the Year

- Received in grade 10 for demonstrating technical skill, leadership and teamwork in sports

Other

- Received numerous awards for performances in sports; particularly wakeboarding, snowboarding and cross-country running