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Tanya Hewitt

Summary

- Energetic, enthusiastic worker willing to learn. Enjoys working with others, and able to work independently. Able to tackle large projects in either official language, but never too proud to ask for help if needed.

Skills and Abilities

Analytical and Technical

- Able to prioritize and effectively manage many assorted tasks; excellent co-ordination and time management skills to encourage a team to work together towards a common goal
- Competent interviewer in qualitative research; able to draw out themes from interviews
- Can write comprehensive tiered documents, ensuring evidence based arguments with attention to detail; have written many audit reports, and a comprehensive transition document of the Patient Safety Officer Course for the Canadian Patient Safety Institute
- Self taught principles in human factors and system safety through reading and participation in the [System Safety Society](#), with a keen interest in patient safety
- Capable of assessing complex and comprehensive Class II nuclear facility licence applications and compiling resulting summary reports, including shielding calculations, which provide basis for licence issuance
- Can conduct very clear and comprehensive on-site inspections, in either English or French, of Class II licensees' site operations - principally cancer clinics - in order to assess compliance with applicable laws and regulations
- Specific equipment used: Portable radiation detectors, gamma cameras in nuclear medicine, Optical Spectrum Analyzers (OSA), Erbium Doped Fibre Amplifier (EDFA) light sources, high pressure liquid and gas chromatography (HPLC and GC), ultra-high vacuum (UHV) and mass spectrometry

Communication and Presentation

- Complete fluency in English; strong ability in French
- Strong drive to knowledge share with colleagues, including promoting upcoming events, and de-briefing after training, conferences, or independent learning
- Excellent interpersonal relations in office, clinical and manufacturing environments, interacting with a diverse group of professionals: colleagues, medical physicists, physicians, technologists, service personnel and senior management
- Enjoy learning at conferences; enjoy presenting well organized, concise presentations to large groups; addressed the plenary at the annual conferences of the Canadian Organization of Medical Physicists (1997), WESCAN (2003, 2005), Canadian Radiation Protection Association (2008), the International System Safety Society (2011)
- Organize activities for the [local chapter of the System Safety Society](#), and fulfill various roles in the executive, including selecting speakers, co-ordinating venues and registration
- Member of the local organizing committee for the Canadian Radiation Protection Association, completely responsible for organizing the technical tours (2011)
- Have run business meetings (set agendas and write minutes)
- Provide expert advice and guidance to licensees, CNSC staff and the public

concerning Class II licence application process and CNSC regulations

- Have supervised a diverse team of workers in a manufacturing environment; established protocols and procedures for workflow management

Work experience

Physics Specialist (Nov.2001 — Sept 2011)

[Canadian Nuclear Safety Commission](#) Ottawa, Ontario

- Perform licence assessment for all stages of Class II licensing, writing summary reports justifying the recommendation
- Inspect Class II nuclear facilities, confirming compliance with all relevant legislation and policies internal to the facility; provide comprehensive reports
- Participate in various projects, principally review of documents for either internal or client use
- Sponsored a research programme on Incident Learning in Radiotherapy

Project Scientist / Team Leader (Dec. 1999 – Nov.2001)

Iridian Spectral Technologies Ottawa, Ontario

- Co-ordinated the manufacturing of thin film filters through evaluating the filters' proximity to customer specifications and other processes to ensure timely delivery
- Jointly responsible for the manufacturing team (25 people); organize the responsibilities, procedures and filing system for the manufacturing department

Research Assistant (Feb. 1998 – Dec. 1999)

Heart Institute PET Centre Ottawa, Ontario

- Assisted in data analysis/interpretation of PET research studies

Volunteer Experience

Canada Chapter of the System Safety Society (2008 – present)

- Programme Chair 2009- present
- Secure venues, suggest & contact speakers, disseminate seminar notices, run on-site registration
- Promote information sharing within and between disciplines

Conseil d'école Marius Barbeau (2005 – présent)

- Very active parent volunteer enriching the childhoods of francophone children
- Was volunteer project manager for a new playstructure construction
- Select French and English music to be played at conseil d'école events

Club Optimiste d'Ottawa Sud (2006 – présent)

- Présidente 2009 - présent
- Co-ordinate and run math and speech contests for the Club Optimiste (en français)

Parsoise Ste Geneviève (2010 – present)

- Direct the children's choir, assist my daughters in their roles as lead cantor

Education

PhD candidate in Population Health

2011 - present

University of Ottawa

Ottawa, Ontario

- Proposed thesis area: Incident reporting systems in healthcare settings

Graduate Certificate in Risk Assessment and Management in Population Health

2008 – 2011

[McLaughlin Institute, University of Ottawa](#) Ottawa, Ontario

- Major papers on Patient Safety, Organ Donation and Reporting Systems
- Practicum at the Canadian Patient Safety Institute

M.Sc. Physics (Medical Physics Specialization)

1996 - 1999

Carleton University

Ottawa, Ontario

- M.Sc. thesis project: characterizing a pinhole single photon emission computed tomography technique (Pinhole SPECT) at the Ottawa Hospital Civic Campus Department of Nuclear Medicine

B.Sc. Physics (Specialized Honours Co-op)

1991 - 1996

University of Guelph

Guelph, Ontario

- Mathematics minor

Awards received

- CNSC Award for introducing a new inspection report format (2009)
- Sidhu Singh memorial award from Carleton Physics graduate program (1998), for outstanding achievement in both academics and research
- NSERC Summer Industry (1993) and Summer Academic (1992) Intern Scholarships
- Canada Scholarship for Science and Engineering - maintained an A average each undergraduate year (1991 – 1995); IBM Canada Scholarship (1991 – 1995)
- Valedictorian for high school and elementary school graduating classes

Academic experience

- Asked to be a guest lecturer on patient safety in University of Ottawa course entitled “
- Informal liaising with many senior specialists in human factors at the Canadian Nuclear Safety Commission – often sharing information with them
- Very active participant in classes and conferences
- Offered the opportunity to “fast-track” into a Ph.D. program (1997)
- Member of the Undergraduate Academic Review Committee (1994)
- Selected to attend the Science School at the Ontario Science Centre (1990), the Shad Valley Summer program (1989) and participated in a three month Québec exchange (1988)

Interests and activities

- Enjoy taking my daughters to various cultural activities in the city (both were part of children’s choruses for Opera Lyra Ottawa)
- Cultural interests: Canadian history, literature and film, Franco-Ontarian culture, TVO, CBC, documentaries, theatre
- Physical recreation: curling, ice skating, softball, home fitness

References are available upon request.