FOR IMMEDIATE RELEASE

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STANDING ON GUARD FOR THEE
Geomatics Engineering Alumnus Working in National Defence

Calgary – You will have 30 seconds before this message self-destructs. In talking with Deborah Ng (Geo ’99) I have learned that there is a sensitive nature surrounding the details of her work and for good reason, she works for the Department of National Defence. My only fear is that I now know too much.

“I wanted to go into a field where I could contribute to society and make the world a better place.”
- Deborah Ng (Geo ’99)

A product of the Department of Geomatics Engineering, Deborah completed her undergraduate degree in 1999 before moving onto a Masters in Physics and Space Science (Data-fusion) from Royal Military College in 2002. She worked for Natural Resources Canada in the Earth Sciences Sector as a Geomatics Engineer while studying part-time until 2001.

Today Deborah is a Systems Engineer, Department of National Defence, DND ADM (IM) Ottawa-Hull, working in the Engineering and Technical Support to Military Operations. Currently working in RF communications and design in electronic warfare applications. This includes some research and development, prototype development and testing. Deborah recognizes that her geomatics education gives her a unique skill set to bring to her team.

“The other members of my team come from a strong Electrical Engineering or DSP background (digital signal processing) but my Geomatics Engineering background lets me bring different skills to the table, for example GPS, GIS and satellite imaging, and RF propagation modeling.”

Deborah maintains a strong connection to the engineering industry outside of work as well, currently serving as the Director of the Ottawa chapter of the Professional Engineers of Ontario (PEO). She is an active member of the PEO Events and Programs Committee, and the new chair of the Education, Outreach and Awards Committee. Additionally, she gives back to Alma Mater, participating in the SCiBerMENTOR program at U of C for Women in Science and Engineering.

Born and raised in Calgary, Alberta, knowing the Engineering program was quite strong made the University of Calgary an easy choice for Deborah, but engineering wasn’t her only area of academic interest.
“To be honest when I first applied to UC I actually applied to go into Nursing and was already accepted, but I changed my mind and applied to the Faculty of Engineering in time to choose my courses for first year. I think both careers would be very rewarding in different ways”, says Ng of her decision on which degree to pursue, “I wanted to go into a field, that offered a stable and profitable career after graduation, but also where I could contribute to society and make the world a better place. I always look at the human side of things.”

Deborah seems like a natural fit into the engineering field, but would like to dispel any myths that the profession is boring.

“I have many more exciting adventures ahead of me. I hope that many more young students will know that the field of Engineering is quite broad and there are no boundaries where your job or your global travels will take you.”

If you are or know of a University of Calgary Engineering Alumni who we should know about please visit: www.eng.ucalgary.ca or email us at: engineering.alumni@ucalgary.ca