Ms. Tulloch is pursuing her Master's degree in Computer Science exploring privacy enhancing technologies and specifically enhancements to The Onion Router (Tor)--a well-known alternative browser that provides anonymous and private internet connections through an overlay network that uses perfect forward secrecy and rendezvous points to connect with hidden servers[1]. Privacy is recognized as a fundamental human right by the UN Declaration of Human Rights and underpins human dignity and essential freedoms[2]. Ms. Tulloch is a firm believer in the importance of creating accessible tools to protect the privacy of journalists, activists, dissidents and marginalized individuals living under oppressive regimes from grave danger.

Prior to pursuing her masters, Ms. Tulloch undertook research in the field of Bioinformatics and presented her findings at the IEEE International Conference on Computational Intelligence in Bioinformatics and Computational Biology in Manchester in 2017 and was nominated for the best paper award. During her co-op at Red Hat, she worked on an open-source container orchestration tool and presented some of this work at Red Hat Summit in San Francisco as well as at Kubecon CloudNativecon in Copenhagen in 2018 and Barcelona in 2019.

Throughout her academic career and beyond, Ms. Tulloch has stepped up to support those with less experience or greater barriers to success. Ms. Tulloch has run events and workshops to help students learn important industry skills, not typically taught in classes. She organized the first group for Women in Computer Science at Brock University with the intention of creating a supportive space for gender minority students to share experiences and opportunities. In relation to this, she organized the first trip and procured funding for Brock students to attend the Canadian Celebration for Women in Computing held in Montreal in 2017 which was a great opportunity for the students and for the computer science department to demonstrate our commitment to supporting diversity in the field.

Also:
Ms. Tulloch is the mother of a wonderful 5-year old.
I really enjoy cycling and have toured across Japan, Cambodia and parts of Ontario on my bicycle.
I love books, music and learning about the world.

1   R. Dingledine, N. Mathewson, and P. Syverson, "Tor: The Second-Generation Onion Router:," Defense Technical Information Center, Fort Belvoir, VA, 2004.
2   D. Banisar, & S. Davies, "Privacy & human rights-an international survey of privacy laws and developments." Electronic Privacy and Information Centre and Privacy International, 2005.