

Maria Sottile

5th year Engineering Physics Student

CONTACT

LINKEDIN

[linkedin.com/in/masottile](https://www.linkedin.com/in/masottile)

GITHUB

github.com/masottile

WEBSITE

masottile.github.io

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA

BASc IN ENGINEERING PHYSICS

Expected May 2022 | Vancouver, BC

SKILLS

TECHNICAL

Python • Java • C++ • C •

PLATFORMS

Arduino • IntelliJ • Eclipse

GENERAL

Critical Thinking • Communication
• Time Management • Teamwork

INTERESTS

Beyond my experience in and love of STEM, I am seamstress and artist; my favorite creation is a hand-painted silk evening dress.

I try to keep active year-round with activities like biking, running, kayaking, and snowboarding.

Regardless of weather, I make an effort to spend time outside every day.

I also enjoy taking time to garden and cook/bake, though I have yet to cook any vegetables I harvest!

WORK EXPERIENCE

SOFTWARE DEVELOPER - CO-OP

CISCO SYSTEMS, INC.

May - August 2020 | Remote - Vancouver, BC

- Worked closely with a small, remote team to develop and improve internal software that helps detect and prevent cybersecurity threats
- Quickly learned existing code bases and tools to easily integrate my work
- Wrote scheduled jobs and created data analysis to assist with detecting and preventing phishing attacks
- Built an internal tool to test efficacy of DNS tunnelling detection in the company's DNS resolver

INSTRUMENTATION ENGINEER - CO-OP

PRECISION NANOSYSTEMS

May - December 2019 | Vancouver, BC

- Wrote an application to program customized information to thousands of RFID tags on company products—saving manufacturing time
- Developed standardized data analysis scripts to accompany a common test procedure—allowing comparison across different experiments and users

TECHNICAL PROJECTS

MAILMYREPS

CISCO EMPLOYEE HACKATON PROJECT

June 2020

- Designed a simple web application to help users more easily contact their government representatives
- Established a secure connection through the Gmail API so mail would not be flagged as spam
- Presented the idea and a demo to judges and other remote participants. Won a community engagement award

DUET WITH ME

NW HACKS PROJECT

January 2019

- Designed a musical accompaniment web-app with a team of four

More information at: devpost.com/software/duetwithme-fu9y5p

VOLUNTEERING

TUTORING DIRECTOR | ENGINEERING UNDERGRADUATE SOCIETY

September 2018 - April 2020 | UBC Vancouver, BC

- Organized tutoring events regularly attended by over 200 students.