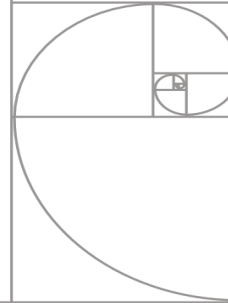




Software Developer,
Engineering Physics Student



Languages

- Java
- Python
- C++
- Arduino/C
- HTML/CSS
- QML

Projects

Political Bias Detector

Hack Princeton Spring
March 2018

With three other students, parsed web pages and used a machine learning algorithm to categorize articles according to their political bias. Programmed in Python, used Anaconda for package management, and Github for version control and to facilitate collaboration.

Autonomous Robot

ENPH 253 "Robot Course"
May 2017 - Jun 2017

In 6 weeks, worked with three other Engineering Physics student to design from scratch, manufacture, and program an autonomous robot for the ENPH 253 "robot competition". See more at our website: channel4robotteam.github.io.

Extra-Curriculars

Alpha Omega Epsilon

Professional Sorority
Sep 2015 - Present
Current roles: co-webmaster and alumnae outreach chair.

Godiva Band

Marching Band
Sep 2015 - Present
Trumpet player.

Education

University of British Columbia

Vancouver, BC
2015 - Present
BASC in Engineering Physics
Major Entrance Scholarship
78.5% Cumulative Average

Professional Experience

Elastic Path Software Java Developer

Vancouver, BC
May 2018 - Dec 2018
Headed the development of a new internal service from the design stage, through implementation, deployment, and maintenance (AWS, MySQL, Python, Flask, API design, Docker). Developed an extension to the core product (Java). Researched, designed, and developed new infrastructure for the CI/CD pipeline and Cloud Operations (AWS, Azure, Docker, Kubernetes, Bash). Contributed to internal Hubot scripts for Slack integration (Javascript). Published documentation and blogs.

Linespect Application Developer

Vancouver, BC
Jan 2017 - May 2017
Worked independently on improving the LineSpector user interface (QML and C++). Updated and wrote new internal documentation. Supervised and controlled UAV test flights. Developed training and promotional materials.

Volunteer Experience

Engineering Undergraduate Society UBCEC Director

May 2018 - Oct 2018
Recruited and managed volunteer student chairs and industry judges for 8 events, created and tracked the competition budget, created the competition schedule and event rubrics, and supervised the work of the UBCEC Logistics and Sponsorship Manager positions.

UBCEC Logistics Manager and Senior Design Co-chair

May 2017 - Oct 2017
Supervised a team of 11 student volunteers, coordinated judges for 8 events, developed the competition schedule, tracked inventory, and prepared and ran opening ceremonies. Co-chairing Senior Design involved designing a challenge, briefing competitors, supervising the event, and facilitating judging and awards.

Royal Canadian Air Cadets Familiarization Pilot

Sep 2014 - Jun 2015
piloted familiarization flights for air cadets and air cadet staff in Schweizer 2-33A gliders (air tow). Kept timesheets and assisted in launching gliders. Taught ground school lessons on aviation and meteorology related topics and gave safety briefing