

# Patrick Harvey

Edmonton, AB, T5N 0Z7 | (780) 695-6697  
patrick.s.harvey1@gmail.com

A fourth-year computer engineering student with a career focus on digital security and privacy. Contributions to projects in C/C++, Python, Java and MATLAB. Proven soft skills include extensive teamwork and leadership. Excellent written communication skills and wide-ranging interests, including linguistics and world history.

## EDUCATION

**BSc in Computer Engineering, Minor in History**  
*University of Alberta, Edmonton, AB*

Sep 2020 – Apr 2025 (Expected)

## SKILLS

C/C++, Python, Java, TypeScript/Google Apps Script, MATLAB (including Psychtoolbox), SQLite, Visual Studio Code, Microsoft Office, technical writing, teaching, interdisciplinary collaboration, leadership, teamwork, communication

## LICENCES & CERTIFICATIONS

<b>Certified in Cybersecurity</b> <i>International Information System Security Certification Consortium</i>	2024
<b>Standard First Aid Level C CPR and AED</b> <i>St. John Ambulance</i>	2022
<b>RPAS Pilot Certificate – Basic Operations</b> <i>Transport Canada</i>	2020
<b>Lab &amp; Chemical Safety</b> <i>University of Alberta Human Resources, Health, Safety and Environment</i>	2021
<b>Euphonium Grade 9</b> <i>Royal Conservatory of Music</i>	2019

## HONOURS & AWARDS

<b>First-Class Academic Standing</b> <i>Faculty of Engineering, University of Alberta</i>	2023
<b>Peer Mentor Award</b> <i>First Year Engineering Club, University of Alberta</i>	2021

## VOLUNTEER

<b>President</b> <i>Diversity in Engineering Working Group</i>	April 2023 – Present
<ul style="list-style-type: none"><li>● Lead exec team to organize and run panels, mixers and other events to build a community around issues of diversity and inclusivity in engineering</li><li>● Advocate for the retention and inclusion of traditionally underrepresented groups and the advancement of equity, diversity and inclusion in the engineering community</li></ul>	
<b>VP External</b> <i>Diversity in Engineering Working Group</i>	Sep 2022 – April 2023
<ul style="list-style-type: none"><li>● Handle all of the organization's communications with external groups, including companies and sponsors, other student groups, university administration, and others as necessary</li></ul>	

# Patrick Harvey

## **Programmer**

Dec 2021 – Jan 2024

*Visual Attention and Social Processes Lab, University of Alberta, Department of Psychology*

- Use MATLAB and the Psychtoolbox library to program psychology studies
- Implement precise timing and graphical placement of study elements
- Communicate and collaborate effectively in an interdisciplinary environment

## **Registrar, Chief Technology Officer and Counsellor**

Dec 2019 – Dec 2023

*Seminar on the United Nations and International Affairs (SUNIA)*

- Attend weekly meetings to plan activities for two one-week seminars in Nordegg, AB, related to international relations, global politics and national development
- Maintain and upgrade systems to track registrant information in Google Apps Script
- Oversee attendance details and transportation requirements for ~100 high school students from within and outside the province
- Responsibly handle personal and private student information
- Point of contact for students and parents before, during and after the seminar
- Work independently to analyze information and solve problems
- Adapt to dynamic, unexpected situations on the fly while leading educational activities
- Adjust registration systems to various unprecedented situations, including the COVID-19 pandemic and the program's first change of location in 50 years

## **EXPERIENCE**

### **Cashier**

Aug 2019 – Aug 2020

*Loblaws City Market, Edmonton, AB*

- Help customers complete purchases and join reward programs
- Adapt to rapidly changing circumstances in the early days of the COVID-19 pandemic