

Erin Patterson

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EDUCATION

Seneca College, Toronto, On May 2022 – Present
Computer Programming Diploma

Western University, London, On Sept 2017 – April 2022
Bachelor of Mechanical Engineering

- 2nd and 4th year Dean's Honour List
- 16-month professional internship

SKILL/LANGUAGES

C, C++, Java, JavaScript, HTML, CSS, SQL, Linux, Bash, JavaFX, Maven, Git

EXPERIENCE

Public Service and Procurement Canada, London, On June 2020 – Aug 2021
International Contract Support Group

- Helped provide technical review and price certification service of contracts in the Aerospace and Defense Sector

ILSCO of Canada, Mississauga, On May 2019 – Aug 2021
Manufacturing Engineering Intern

- Worked on the manufacturing floor and created engineering drawings using Autodesk Inventor

CIBC Mellon, Toronto, On May 2018 – Aug 2018
Information Technology Intern

- Collected evidence as a part of a SOC1 control audit
- Liaised with external auditors from KPMG to ensure that requested evidence was delivered in a timely manner.

City of Toronto, Toronto, On Sept 2016 – March 2017
Lifeguard and Swim Instructor

PROJECTS

Automated Packaging System Jan 2022 – May 2022
Engineering Student Design Project

- Responsible for coding and interfacing a Motoman industrial robot with PLC and other project components to meet the project design requirements

Rocket Glider Sept 2021 – May 2022
Engineering Capstone Project

- Built Arduino sensor package for use on a model rocket glider to measure acceleration and altitude of a model rocket

**Remote-Controlled Semi-Autonomous Robot
Mechatronics Systems Design Project**

Sept 2021 – Dec 2021

- Wrote C program for a PIC24 microcontrollers for a fourth-year engineering project

Nand to Tetris Part I

May 2022 – June 2022

Coursera Course from Hebrew University of Jerusalem

- Learned computer fundamentals by constructing a computer chip (RAM, CPU, Harvard Architecture) in a student Hardware Description Language

VOLUNTEERING

Western U. ENGsquad Mentor, London, On
Community Outreach Program

Jan 2018 – Mar 2020

- Mentor for female high school students interesting in engineering

REFERENCES AVAILABLE UPON REQUEST
