

SARAH POULIN

Full Stack NSCC Student | Technical & Resourceful

Dartmouth, Nova Scotia
Canada

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PROFESSIONAL SUMMARY

I love tech, and I enjoy problem-solving. I have an engineering-type mind and am particularly good at understanding how things work, and implementing creative solutions. Currently seeking opportunities in any technical field; I have a huge skill set and I'm always ready to learn.

RELEVANT SKILLS

- Won first prize in Agentic AI Hackathon at Volta on November 16, 2024.
- Won first prize in RBC HubHacks at RBC Halifax Innovation Hub on October 18, 2025.
- Won second prize in NSCC's IT Campus Hackathon on January 17, 2025.
- Organized; aptitude for learning complex ideas and skills and implementing creative solutions.
- Able to resolve conflicts and solve problems.
- Experienced in customer service.
- Exceptional computer skills; familiar with several Oses (including Linux); command line.
- Can very quickly learn unfamiliar applications.
- Able to operate virtual machines and deploy cloud computing.
- Networking and database knowledge; troubleshooting skills.

EMPLOYMENT HISTORY

2009-Present

Self-Employed

Freelance Cybersecurity Consultant

- Tracked down malicious php code modifying the database causing a redirect to a malicious/undesirable site. Original issue from an insecure admin login.

Childcare & Homeschool Coordinator

- Deployed self-hosted Moodle (LMS) on Oracle Cloud instance.
- Regularly add curriculum content such as lessons and quizzes.
- Maintain home NAS (Odroid HC4) running Debian OS.
- Deployed NextCloud and Nginx Proxy Manager to securely and automatically back up media from smart phones.

2008-Present

Covenant Reformed Presbyterian Church

Halifax, NS

Technical Advisor (Volunteer)

I oversee and implement technical operations at CRPC. Some of the things I have done are:

- Purchased equipment and set up live streaming with OBS.
- Regularly spin up and maintain Docker containers for various apps and services.
- Deployed a re-streaming server to push streams to multiple platforms.
- Deployed an Icecast server to serve an audio only stream to mp3 of the live stream.
- Deployed an Asterisk (PBX) server to answer phone calls and park caller to listen to the Icecast mp3 on Music on Hold.
- Deployed a Mesh Central server to have remote access to the church laptop in order to help the audio/video technician when necessary.
- Deployed a server with Puppeteer scripts (javascript) to change metadata on Sermon Audio and also schedule Facebook live stream videos.
- Set up a Sermon Archive on a homemade NAS (Odroid HC2) running OMV.

- Utilized a GUI tool to transform command line applications into a job service (Jobson) in order to enter metadata for sermon upload and archiving.
- Secured Jobson with NPM & Authelia set up for 2FA.
- Wrote python scripts using API to automatically schedule two livestream videos on YouTube, then a cron to change stream key to main one for the afternoon service after first has ended.
- Wrote bash scripts utilizing inotify-tools to detect when an mp4 recording has finished being transferred to the NAS which then automatically uploads to Sermon Audio and YouTube (using API), changes the metadata and renames the mp4, and archives it.
Wrote a bash script to use fetchmail which checks email twice daily for a sermon notes Word document attachment, and when detected, will download the .docx, convert to .pdf, upload it to Sermon Audio (using API), and archives it.

2014-2018

UserTesting

User Experience Tester

- Look for website or mobile application inconsistencies and usability
- Verbally speak through the process which is recorded via microphone and screen capture for the benefit of the application developer.
- 5 star usability tester; give feedback and suggestions for improvement.

2007-2009

Crombie REIT

Halifax, NS

Security Officer

- Certificate of Merit from Halifax Regional Police for assisting in the arrest of a bank robber on February 1st, 2008.
- Investigations into insecure premises, thefts, leaks, property damage, etc, and skilled in writing detailed reports. Trained in legal articulation, tactical principles, handcuffing, impact weapons, and search procedures; experience in assisting arrests.
- Experience in contacting emergency personnel, working through fire alarms, emergency threats, and other emergencies.

EDUCATION

2024

Certifications

- Microsoft Certified: Azure Fundamentals (AZ-900)
- ShiftKey Academy Up: Cybersecurity Certificate | Data Analytics with Python Certificate
- Digital Skills for Women+

2025-2026

Nova Scotia Community College

Halifax, NS

- Currently completing the Full Stack Application Development program to learn programming, databases, front end development, back end development, UX, testing, and security.

2004-2007, 2024-2025

Dalhousie University

Halifax, NS

- Completed 3 ½ years of a Bachelor of Music in Guitar and Concentration in Education.
- Graduated with Bachelor of Arts, Major in Music, Spring 2025
- A+ in Intro to Information Security and Intro to Web Development, Intro to Computer Systems and Programming for Business (Python) Computer Science courses.
- Dean's List for 2025/2026 Fall and Winter terms; 4.2 and 4.3 GPA.

1999-2004

Niagara District Secondary School

Niagara-on-the-Lake, ON

- Received high school diploma and Ontario Scholar award.