

Sarah Rose Hassan

Fourth Year Computer Science Student

✉ contact@sarahrosehassan.com ☎ +1 (647) 474-4541 📍 Toronto, Canada 🌐 sarahrosehassan 🔗 sarahrosehassan.com

🛠 TECHNICAL SKILLS

- Programming Languages: Python, Javascript, PHP, Java, C/C++, C#, Bash/Shell Scripting, Perl, Rust, Elixir, Haskell, HTML/CSS,
- Frameworks/Libraries: Flask, AngularJS, React.js, Node.js, Bootstrap
- Databases/Authentication: Supabase, MySQL, PostgreSQL, MongoDB
- Miscellaneous Tools: Jira, Git, Vim, API Design, Figma, Visual Studio Code, Linux command-line, Blockchain, Postman

🏢 WORK EXPERIENCE

Software Engineer, Full Stack Development, Canadian Sheep Federation · Internship

Jun 2025 – Aug 2025

Ottawa, Canada · Remote

- Engineered and deployed multiple high-impact bug fixes and feature enhancements in the AgroLedger platform, including CSV import validation, UI navigation improvements, and optimized report organization, ensuring smoother workflows for end users.
 - Diagnosed and resolved complex data handling and form validation issues, such as CSIP prefix parsing and duplicate operation checks, improving system reliability and compliance with Canadian Sheep Identification Program requirements.
 - Collaborated in an Agile environment, reviewing and merging pull requests, documenting technical changes, and contributing actionable feedback to maintain high code quality across the development team.
- ◇ Skills: Javascript, C#, Postman, REST APIs, MongoDB, Blockchain

Ambassador, Women Techmakers, Google · Part-Time

Jul 2023 – present

Toronto, Canada · Remote

- Curates engaging tech content, including YouTube videos and blog posts, to inspire and empower women in technology.
 - Leverages public speaking skills to advocate for diversity and inclusion in tech at events and workshops.
 - Passionately contributes to fostering an inclusive and supportive community for underrepresented groups in technology.
- ◇ Skills: Video Production, Public Speaking, Team Leadership and Mentoring

Software Engineer, Engage Scholars Program, Pinterest · Internship

Jun 2022 – Aug 2022

San Francisco, United States · Remote

- Built software projects alongside experienced software engineers, contributing to Pinterest's exponential growth and innovation, resulting in a 20% increase in user engagement metrics.
 - Demonstrated proficiency in the Python programming language, delivering high-quality, well-documented code to address complex engineering challenges.
- ◇ Skills: Software Development and Python

Product Manager, APIs, SOTI · Internship

May 2021 – Apr 2022

Toronto, Canada · On-site

- Led API feature development, closely aligning with product expectations and driving innovation, resulting in a 30% expansion in API capabilities and positively impacting user experience.
 - Orchestrated cross-functional collaboration among technical support, sales consulting, QA, data engineering, and development teams to swiftly address customer-reported issues, resulting in a 20% reduction in average resolution time.
 - Expedited bug resolution by conducting comprehensive root cause analysis, resulting in a 40% decrease in recurring software issues and improved overall system stability.
- ◇ Skills: Cross-functional Team Leadership, Application Programming Interfaces (APIs), Technical Writing, Product Management

📁 CODING PROJECTS

TMU GradTrack - Javascript, React.js, Next.js, Github 🔗

- Web-based platform for graduate program progress tracking. Gained hands-on experience in React.js, Supabase, and Agile development
- Course: CPS731 Software Engineering

Personal Website - PHP, Javascript, MySQL, sarahrosehassan.com 🔗

- Built a fully custom blog site using PHP and MySQL, transitioning from WordPress to a fully custom build. Features include a dynamic post system, admin panel for content creation, and responsive UI with custom styling

Online Service Platform - JavaScript, PHP, MySQL, React.js, Github 🔗

- Developed a full-stack web application with React.js, PHP, and MySQL featuring admin/user roles, secure login, multi-option payments, and product reviews.
- Refactored into a Single-Page Application (SPA) and implemented salted MD5 password hashing to enhance user experience and security.
- Course: CPS630 Web Systems Development

🎓 EDUCATION

Bachelor of Science, Computer Science, Toronto Metropolitan University

2026

Relevant Courses: Software Engineering, Python, Java, C/C++, Bash/Shell Programming, Algorithms, Data Structures, Operating Systems, Databases, Artificial Intelligence, Computer Networks, Web Systems Development, Computer Security

Toronto, Canada