

Shane Currie

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Work Experience

Undergraduate Student Research Fellow, ARiSE Research Lab,

Ontario Tech University – Oshawa, ON

Nov 2025 – Mar 2026

- Conducting a Systematic Literature Review (SLR) on reducing bias and racism in secure software development.
- Supporting research on Inclusive Human-Centric Goals for Security (HUGS) under the supervision of Dr. Sanaa Alwidian, in collaboration with the CyberSEA Research Lab at Carleton University.

Military Police, Canadian Armed Forces – Halifax, NS

Mar 2017 – Mar 2022

- Led investigations and resolved criminal incidents and security breaches, applied analytical skills and attention to detail to support military operations, criminal investigations, and legal processes.
- Trained and mentored junior personnel, fostering team effectiveness and contributing to professional development in a high-stakes environment.

Education

Ontario Tech University – Bachelor of Software Engineering (Honours)

Expected 2026

St Clair College – Ontario College Diploma – Police Foundations

May 2016

St Clair College – Ontario College Diploma – Protection, Security, Investigations

May 2015

Projects

AQuA-Reg – Automated Quality Assurance of Software Requirements

(Capstone 2025-2026)

- Collaborating in a team to design an AI-assisted tool for automated quality assurance of software requirements in regulated industries.
- Developing a hybrid rule-based and machine learning pipeline using NLP frameworks and structured requirement patterns (EARS) to detect ambiguities and inconsistencies in requirement statements.

Product Distribution System – Location Service (Distributed Systems Project)

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- Developed the microservice with a focus on inter-service communication, REST endpoints, and microservice orchestration.
- Implemented distance calculation, warehouse routing, error handling, and service failover logic while ensuring modular, scalable architecture.
- Configured MySQL integration, Spring Boot service layering, and containerized deployment workflows for reliable multi-service interaction.

Fantasy Football Tracker

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- Developed a full-stack fantasy football tracking site utilizing the Sleeper API and integrating scheduled cron jobs for automation.
- Utilized Tableau to visualize team score trends over time, enhancing clarity in comparative performance analysis.

Skills

Languages: Java, Python, Kotlin, PHP, SQL, JavaScript, HTML, CSS, XML

Frameworks & Tools: REST APIs, Spring Boot, MVC, Git, CI/CD, spaCy, SpanBERT, BART, Tableau

Specialties: AI, Machine Learning, NLP, Distributed Systems, Quality Assurance, Unit Testing, UI/UX