



CyberSEA
Research Lab
Carleton University



CyberSEA Research Lab
Carleton University
<https://carleton.ca/cybersea/>
in @carleton-cybersea

Systems and Computer Engineering
Carleton University
1125 Colonel By Drive
Ottawa, ON K1S 5B6

Position Available: Undergraduate Student Researcher

Refactoring the ARMOUR Codebase

The **Cyber Security Evaluation and Assurance (CyberSEA) Research Lab** at Carleton University is actively looking for an undergraduate student researcher to contribute to the next phase of funded research project titled "ARMOUR Network Simulation." The project will be conducted in collaboration with **General Dynamics Mission Systems - Canada (GDMS-C)**.

Position Details

- **Position:** Undergraduate Student Researcher
- **Expected Start/End Dates:** January 2025 — April 2025
- **Hours:** Part-Time (10-20 hours per week)
- **Duties and Responsibilities:** Conduct programming tasks to support the research project activities; prepare reports and demos as need to fulfil project deliverables
- **Salary:** Successful candidates will receive a research assistantship. Specific details are determined at the time of offer and consider numerous factors such as academic standing, research potential, availability of funds, etc. However, the minimum hourly rate is \$17.20/hour after taxes.

Project Description

ARMOUR is a cyber-threat analysis application that uses open source threat information to assess network vulnerability. As part of this project, GDMS-C will provide ARMOUR, to Carleton University with training and support for use for the duration of this project. To maintain the ARMOUR application and meet modern industry needs, this project aims to refactor the code from Java to python with assistance from other stakeholders.

Desired Skills/Qualifications

Suitable candidates will be enrolled in Bachelor's degree in Software Engineering, Computer Science, or a related field at Carleton University. Ideal candidates will be self-motivated with an ability to work independently and to communicate effectively in a team environment. Very strong programming and software development skills (in Python, Java, and other languages) are essential.

Candidates must be Canadian citizens or permanent residents of Canada.

How to Apply

Interested applicants are to send a **CV** and **Statement of Interest** detailing your research interests, background, and experience **by email** to the CyberSEA Lab Director:

Jason Jaskolka, Ph.D., P.Eng.

Systems and Computer Engineering | Carleton University

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For more information about how to apply, please visit: <https://carleton.ca/cybersea/positions-available/>

Application Deadline

Applications will be reviewed as they arrive until a suitable candidate is found.