



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

### *Cyber Gymnasium Phase 3*

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 "Cyber Gymnasium." 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 — August 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

The Cyber Gymnasium is a training and simulation platform designed to teach Cyber Operators/technician/analysts on how to defend their network systems from adversary attacks and techniques. GDMS-C in partnership with Field Effect will provide the Field Effect Cyber Range platform with training and support to Carleton University for use for the duration of this project.

To improve the efficiency of modeling virtual networks, this phase of the project aims to update the GDMS-C RANGE application to export networks created in GDMS-C RANGE to a format supported by the Field Effect Cyber Range.

### 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

Canal Building 6206 | 1125 Colonel By Drive | Ottawa, ON K1S 5B6

☎ +1 (613) 520-2600 Ext. 1873

✉ [jason.jaskolka@carleton.ca](mailto:jason.jaskolka@carleton.ca)

🌐 <https://carleton.ca/jaskolka/>

in @jason-jaskolka

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.