

ALEXANDRE MARMEN

1450 rue Parthenais ◇ Montréal, Québec

(438) · 377 · 7679 ◇ alexandremarmen@gmail.com

Web Portfolio : <https://portfolio-m4rmens-projects.vercel.app/>

CYBERSECURITY TECHNICAL SKILLS

Threat Analysis

- MITRE ATT&CK
- Cyber incident response frameworks
- Evidence collection and analysis
- Crisis management and incident handling
- Dark web and OSINT investigations
- STIX and TAXII standards
- Threat hunting and TTP analysis
- Advanced detection: anomalies and machine learning

Network Security

- Firewall configuration and management
- Setting up and troubleshooting NAT rules
- Packet analysis and network traffic monitoring
- Securing networks using Cisco ASA
- VPN setup and secure remote access
- Mitigating network threats and intrusion detection

Cloud Security

- AWS services security and IAM roles
- Monitoring with CloudWatch and CloudTrail
- Compliance checks with AWS Config
- Vulnerability assessments using AWS Inspector
- Secure VPCs and S3 bucket policies
- Encryption with AWS KMS

EXPERIENCE

Ultrapark Science and Technology Center

Web Software Developer — Intern

May 2024 – August 2024

Costa Rica

- Designed and developed a user registration system to streamline gym enrollment processes.
- Created intuitive user interfaces for both mobile and desktop platforms using ReactJS & NodeJS.
- Reduced human errors in data transcription through automation.
- Built a containerized server with MSSQL normalized databases using Docker.
- Collaborated with stakeholders to define both functional and legal requirements.

Design Project of an Information System - Polytechnique Montréal

Developing Team Member

January 2024 – April 2024

Montréal, QC

- Created a ROS 2 package in C++ to enable mobile robots to navigate autonomously in both simulated and real environments.
- Managed node architecture and frame transformations (TF Tree) to ensure robust communication among ROS components.
- Designed a web interface to monitor robot status and dispatch commands.
- Developed a Python Flask API to relay web commands to the robots via ROS 2 topic publishing.
- Containerized both the Python server and the web server to streamline deployment.

EDUCATION

Polytechnique Montréal, Montréal

Bachelor's in Computer Engineering

Specialization in Security and IT Mobility

May 2025