

## EDUCATION

2023 - 2025	<b>Institut Polytechnique de Paris</b> Master in Cybersecurity. Notable course taken: <b>At Ecole Polytechnique:</b> Modern networking, Network security, Internet protocols, Data Bases, Computer architecture, Computer system security. <b>At Telecom Sud-Paris:</b> Security oriented programing.	Palaiseau, France
2018 - 2022	<b>American University of Beirut</b> Bachelor of Engineering in computer and communications. Notable courses taken: Software Eng. I & II, Cryptography, Internet Security, Computer Networks, Internetworking Lab, Mobile Networks, Data Centers, Data Structures and Algorithms.	Beirut, Lebanon
2003 - 2018	<b>College Mariste Champville</b> Lebanese Baccalaureate in General Sciences: distinction (2018)	Deek el Mehdi, Lebanon

## EXPERIENCE

04/24 - 07/24	<b>Exeo   SOC R&amp;D. Intern</b> <ul style="list-style-type: none"><li>Bitdefender and Grafana integration via python and SQL for visualization of security posture</li><li>Grafana alerting and ticket creation in Autotask automation via Python web-hook</li><li>Wazuh and Autotask integration via python for automated alert management</li><li>Integration of Grafana, Prometheus and its agents, SNMP devices, and various APIs</li><li>Grafana dashboards development with custom alerts and detailed overviews.</li></ul>	Paris, France & Mkalles, Lebanon
03/23 - 08/23	<b>Dar   Cybersecurity and Network Engineer. Full time</b> <ul style="list-style-type: none"><li>Cisco switch configuration, deployment, security hardening, and troubleshooting</li><li>Fortinet FortiGate Firewall and Proxy daily handling and automation</li><li>IPsec VPN tunnels migration plan to more secure cipher suit.</li><li>Nexpose vulnerability remediation</li><li>Forti Switch layer 3 basic configuration for comparison with Cisco switches</li><li>Mikrotic configuration and deployment, lab development, and trainee supervision</li></ul>	Verdun, Lebanon
06/22 - 12/22	<b>Potech consulting   Cyber Threat Intelligence Officer. Intern</b> <ul style="list-style-type: none"><li>Automation of reconnaissance and takedown via Web Scraping</li><li>DVWA Penetration Testing and Passive reconnaissance</li></ul>	Beirut, Lebanon
06/21 - 08/21	<b>Inter-Disciplinary Practice Program (IDPP)   Researcher. Intern</b> <ul style="list-style-type: none"><li>Human-Centered Design and User Research activities</li></ul>	Beirut, Lebanon
09/15 - 06/18	<b>Independent Tutor   Private tutor.</b> <ul style="list-style-type: none"><li>Math, physics, and chemistry tutor for grade 10-11-12</li></ul>	Deek el Mehdi, Lebanon

## NOTABLE PROJECTS

- Client-Server secure connection.** Exchange of symmetric key with asymmetric keys for file transfer. Supports custom certificate exchange, signed by custom certificate authority. [Link](#)
- TCP Injection.** Track TCP flow and inject http response before server. [Link](#)
- DNS spoofing.** Send Spoofed response to DNS query. [Link](#)
- SYN flood attack and detection.** Flood user-inputted IP with TCP SYN packets. Detect TCP flood attack based on a threshold. [Link1](#) [Link2](#)
- Galois Field Arithmetic Calculator.** Instant results for non-trivial arithmetic computations in Galois Fields reaching GF(2<sup>571</sup>). [Link](#)
- ICMP Quench local network attack.** Find active local IPs and send ICMP quench to all. [Link](#)
- Access Point client checker.** Display clients on access point with their network utilization. [Link](#)
- Network cell analyzer for android smart phones.** Display carrier name, network types, dBm, SNR, Frequency Band. [Link](#)

## CERTIFICATES AND TESTS

- Fortinet:** Security Driven Networking workshop, course completion
- IELTS:** CEFR level C1
- Bitdefender:** Certified: Sales specialist, MSP technical specialist, technical solutions professional

## SKILLS

- Software:** Python, Django, SQL, Java, C++, C
- Cybersecurity:** Wireshark, Nmap, Burp Suite, Fortinet FortiGate, Nexpose, Bitdefender
- Networking:** Cisco switches and routers, Mikrotic, FortiSwitch, extended knowledge of OSI layers
- Languages:** Fluent in English, French, and Arabic