

## 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>Grafana, influx dB, Telegraf, Prometheus, full vertical integration with SNMP enabled devices such as cisco switches, Linux and windows machines, Microsoft Graph API, FortiGate API exporter, MySQL, Autotask API, and Bitdefender API via python scripting, generating extensive dashboards about the health of their devices and the security posture of the company.</li><li>Grafana alerting via SMTP and integration with Autotask API via python webhook</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 basic configuration</li><li>Mikrotic 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 utilization. [Link](#)
- Network cell analyzer for android smart phones.** Carrier name, network types, dBm, SNR, Frequency Band. [Link](#)
- Covid-19 tracker.** Automatically update database and generate statistics and graphs. [Link](#)

## CERTIFICATES AND TESTS

- Fortinet Security Driven Networking workshop:** Course completion
- IELTS:** CEFR level C1

## SKILLS

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