Hadi El Nawfal

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OBJECTIVE

Dedicated and results-oriented Computer and Communications Engineering student with a strong passion for Cybersecurity and Networks. Known for being a proactive problem-solver, I am committed to achieving and delivering impactful results. Eager to apply my technical skills and expand my professional experience in a challenging and dynamic role. My track record showcases not only the tasks I've undertaken but, more importantly, the achievements attained through my commitment to excellence. I am poised to adapt swiftly to the evolving and fast-paced landscape of cybersecurity and contribute to the innovative endeavors of the team.

WORK EXPERIENCE

Undergraduate Research Assistantship

American University of Beirut, MSFEA

Beirut, Lebanon
09/2021 – 06/2025

- Spearheaded the conceptualization and deployment of security orchestration models that leverage AI for enhanced threat detection.
- Pioneered strategic directions for future research initiatives, laying the groundwork for innovative approaches and breakthroughs in cloud security orchestration.
- Empowered the professional community by providing concise summaries of articles and future research directions, enhancing accessibility to industry insights.

Contact: Dr. Ayman Kayssi - ayman@aub.edu.lb; +961 1 350 000 ext. 3499   Dr. Imad Elhajj - ie05@aub.edu.lb; +961 1 350 000 ext. 3444

EDUCATION

BE | Computer and Communications Engineering - Focus Area | Cybersecurity - Minor | Applied Mathematics

American University of Beirut, MSFEA

Beirut, Lebanon
09/2021 – 06/2025

- GPA capped at 4: 3.91.
- Honors & Awards: MSFEA Dean's Honor List in all my semesters
- Courses Taken: Computer Networks, Internet Security, Advanced Ethical Hacking, Cryptography and Encryption
- Cisco Certificates: Introduction to Cybersecurity, Networking Basics, Introduction to Data Science, Engaging Stakeholders

PROJECTS

- **RTT Game:** Created a 2 (or more) player, client-server network game based on delay in a team of four using Python.
- **Archer:** Expanded the design of a pipelined RV32I processor core in a team of three, increasing throughput and speed.
- **SYN Flood Detector:** Demonstrated efficacy in detecting all incoming malicious packets in a proactive manner.
- **CTF Project:** Navigated diverse attack vectors in a team of three to capture all flags. Presented innovative remedies that resulted in a substantial enhancement of the system's security.

KEY COMPETENCIES

TECHNICAL SKILLS:

- **Networking:** Kali, Cryptography, Nmap, Netcat, Metasploit, Wireshark, Snort, Bash Script, Burp Suite, CMD, Batch, PowerShell, Active Directory
- **Microsoft:** Excel, Word, Clipchamp, PowerPoint
- **Programming Languages:** Python, C++, MATLAB, VHDL
- **Software Tools:** Git/GitHub, Visual Studio Code

LANGUAGES: Fluent in English and Arabic with basic knowledge in French

EXTRACULLICULARS

ORGANIZATIONS

IEEE AUB
Member-At-Large: increased event productivity by supporting officers.
Marketing Officer: attracted a larger student audience with crafted posters.
Interests: Reading, Writing, Exercising, Running.

UNICEF AUB
Member

Investment Club
Member