ANTHONY J. SAAB

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Education

- **American University of Beirut**   Sep 2018 - May 2023
  Bachelor of Engineering - Computer & Communications Eng. (Senior) - 3.7 GPA
  Relevant Courses: Internet Security, Computer Networks, Internetworking Laboratory, Cryptography and
  Networks Security, Mobile Networks and Applications, Software Eng., Software Architecture, Data Centers, Data
  Structures & Algorithms.

- **Collège Mariste Champville**   2004 - 2018
  French Baccalaureate with Distinction - Mathematics Concentration

Experience

- **American University of Beirut**   Jun 2022 - Present
  Research Assistant - Department of Economics
  Developed Python scripts to leverage Twitter's API, and to extract and transform the data.

- **P.O.TECH - Paths of Technology Lebanon**   May 2022 - Aug 2022
  Cyber Threat Intelligence Intern
  Automating data scavenging, classification, and storage to ensure efficiency and performance.

- **American University of Beirut**   2019 - 2021
  Undergraduate Teaching Assistant - Courses in Python, Fundamentals of Programming, and Electric Circuits
  Teaching 150+ students in problem-solving sessions, digitizing coursework, ushering in examinations, and
  providing technical assistance.

Achievements & Awards

- Earned the CompTIA Security+ (Feb 2022) and the Microsoft Azure 900 (Jan 2022)

- Ranked among the top 4% of TryHackMe's userbase

- Achieved the highest level in Problem Solving on HackerRank (Expert 6 stars badge) using Python

Skills

- Cybersecurity: Burp Suite, Nmap, Wireshark, Kali Linux, OSINT Framework.

- Software Eng.: Data Structures & Algorithms, Java, C/C++, Python, Django, Flask, SQL, HTML/CSS/JS, Git.

- Computer Networking: Theoretical and Practical knowledge about the full OSI model, especially Routing &
  Switching with Cisco equipment.

- IT: Experienced troubleshooter in any technology at hand, Windows power user, Linux intermediate user.

- Languages: French (Fluent), English (Fluent), Arabic (Native)

Projects

- **Testing and Comparing the Performances of Windows Server 2022, Ubuntu 20.04, and CentOS 8 under DDoS**
  An A+ grade was awarded to this paper. This research was done as part of the Internet Security course at AUB
  (Oct 2021 - Dec 2021). It is now published on ResearchGate: https://go.anthonyjsaab.com/EECE655

- **Final Year Project: Management System for Lebanese Scouts**
  Digitizes most of the processes that involve collecting, validating, storing, and retrieving data. Takes into
  account the main security principles for management systems like confidentiality, integrity, and permissioning.

- **Galois Field Arithmetic Calculator**
  Provides users with instantaneous results for arithmetic computations in non-trivial Galois Fields, reaching
  $GF(2^{571})$. Made using Python and Tkinter. Available on https://go.anthonyjsaab.com/Galois

- **LBP Currency Exchange Platform**
  Publishes statistics of LBP/USD transactions and lets users get in contact with each other to initiate the trade
  processes. Available on https://go.anthonyjsaab.com/LBP-FX