

Jad Jouni

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Education

Lebanese University – Faculty of Engineering

Expected June 2029

Bachelor of Engineering in Electrical, Electronics and Telecommunications Engineering

Relevant Coursework: Data Analysis, Programming (Python/C++), Computer Networks, Technical Communication

Projects

Security Intelligence & Reconnaissance Tool (SIRT) | Python

CS50P Final Project | github.com/JadJouni/SIRT

- Developed automated data retrieval system integrating third-party API (Have I Been Pwned) to query and validate records against a database of 800M+ entries, demonstrating SaaS integration and cloud API proficiency
- Designed intuitive command-line interface using argparse, translating complex security workflows into simple, user-friendly commands accessible to non-technical users
- Built modular, process-driven architecture with standardized operating procedures for each function, ensuring consistent and repeatable execution across 4 independent modules
- Created comprehensive documentation and testing protocols using pytest, ensuring data integrity and accuracy

Elevator Scheduling Simulation Project | Python

- Designed discrete-time elevator simulation comparing FCFS and LOOK scheduling algorithms using object-oriented design and finite state machine control logic
- Simulated randomized 60-passenger traffic and quantified **82% reduction** in travel distance, **75% improvement** in wait times, and projected **81% energy savings** using ISO 25745 Class A efficiency calculations

Skills

Data & Analysis Tools: Microsoft Excel, Python (Data Processing), MATLAB, Google Sheets, Data Mapping

CRM & Sales Tools: LinkedIn (Prospecting & Networking), Email Outreach, Git (Version Control & Collaboration)

Technical Knowledge: REST API Integration, SaaS Platforms, Cloud Technologies (AWS), Process Automation, Database Querying

Workflow & Productivity: Notion, Google Workspace, Microsoft Office Suite, Command Line Tools, Documentation & Reporting

Programming & Operating Systems: Python, C, C++, C#, MATLAB, Linux (Kali Linux), Windows

Certifications

- Fortinet Certified Fundamentals (FCF) in Cybersecurity – Fortinet
- Cryptography, Networking and Python (Level 1) – CyberCommunity
- CS50P: Introduction to Programming with Python – Harvard University
- MATLAB Onramp – MathWorks

Languages

Arabic (Native) | English (TOEFL 104/120) | French (B2) | Italian (B2) | Mandarin (A1)

Interests and Extracurriculars

Extracurricular Activities

- Theater & Performance: Led multiple theatrical productions in lead roles: managed teams of 10+ cast members, developing public speaking, persuasion, and presentation skills
- Competitive Swimming: Placed 1st in 2 local competitions, demonstrating discipline and competitive drive
- Music Production: Self-taught pianist and audio engineer; practice mixing and mastering with creative problem-solving