

Peter Succar

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🌐 <https://www.mydomainnamesystems.infinityfree.me>

UNIVERSITY AND PERSONAL PROJECTS

Design and building of a secure layered network

April 2026 – May 2026

- Architected and deployed a multi-firewall network using GNS3.
- Implemented dynamic firewalls, server-to-server communication controls, and access-list verification.
- Applied layered security principles, improved error handling.

Development and deployment of a network for a data center.

February 2026 – May 2026

- Deployed VPLS and VPWS services and enforced communication controls.
- Implemented traffic engineering (TE), fast reroute, link aggregation, and redundancy for resilience.
- Gained experience in EVPN multi-homing, VXLAN gatewaying, MPLS-TE, and route reflectors.

Engineered a solar-powered LED driver circuit for outdoor lighting.

April 2026 – May 2026

- Implemented battery charging control with a blocking diode and transistor-based cutoff for reverse-current protection.
- Designed protection and reliability features: overcharge/discharge protection, reverse-polarity protection.
- Learned regulation and sensing through Zener clamping.

Design and building of a website

September 2025 – December 2025

- Designed and implemented a multi-page website using HTML, CSS, and JavaScript.
- Built responsive layouts, interactive UI elements, and client-side form validation.
- Learned website-building, event handling and used AI tools to accelerate development and troubleshooting.

Design of control system for DC motor speed and direction

September 2025 – December 2025

- Engineered a PWM-based controller to vary motor speed and reverse direction; integrated output feedback to drive a 7-segment display showing speed values.
- Developed and tested circuit firmware using MPLAB.
- Performed simulation-based experiments to validate performance and optimize parameters.

Design of 8 x 128 led matrix display

April 2025 – May 2025

- Designed and modeled a scrolling message display using 8086 16-bit microprocessor.
- Demonstrated strong communication and coordination skills as the team leader.
- Applied assembly language fundamentals, improving problem-solving and information exploration skills.

Design and implementation of ADC converter

February 2025 – March 2025

- Designed a 7-segment display that would convert an analog signal into displayed decimal value.
- Highly efficient initiative taking, rigorous research.
- Acquired knowledge of new software, read numerous documents, and conducted extensive research.

Design of reddit application

March 2024 – May 2024

- Utilized core Java concepts to enhance data-search abilities.
- Gained proficiency in Unified Modeling Language (UML) for effective design documentation.
- Developed an understanding of design patterns, acquired the fundamentals of creating analysis models.

Design and implementation of battleship game

February 2024 – March 2024

- Developed a turn-based battleship game for two players, focusing on user engagement.
- Applied object-oriented programming principles to enhance code organization and reusability.
- Integrated engineering fundamentals to solve design challenges and improve gameplay mechanics.

EDUCATION

Université Saint-Esprit Kaslik, Engineering Departement

Master's degree in Computer Engineering

- GPA 81/100.

Kaslik, Lebanon

September 2022 – Present

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Collège Mariste Notre Dame de Lourdes Jbeil - Amchit

Baccalaureate diploma Bac S specialty Mathematics

· French Baccalaureate and Lebanese Baccalaureate.

Jbeil, Lebanon

September 2017 – May 2020

ENGAGEMENTS & EXTRACURRICULAR

Participant in Open Classroom Online course

September 2021 – December 2021

· Completed the C++ online course.

SKILLS

Languages: Arabic, French and English: Highly proficient in speaking and writing.

Technical Skills: Java (advanced knowledge), AutoCAD, MATLAB, MS Excel, MS Word, MS PowerPoint, Arduino, C++, VHDL, PL/SQL, Proteus, Assembly language, MPLAB, HTML, CSS, JavaScript, XML, GNS3, VMware, Linux.

Soft skills: Negotiator, rigorous, teamwork, serious, strong work ethic.

Hobbies & Interests: Web programming, Website Building.