

# Radwan Afiouni

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## Education

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### Saint Joseph University of Beirut – ESIB | Mar Roukoz, Lebanon

*Engineer's Degree in Computer and Communications engineering*

Expected June 2023

- Selected by the dean as an ambassador of the university during the faculty's ABET accreditation process.

### College Louise Wegmann | Beirut, Lebanon

*French Baccalaureate, Scientific Track, Specialized in mathematics*

June 2018

## Experience

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### Middle East Airlines – Air Liban | Beirut, Lebanon

July 2021 – August 2021

*Engineering Trainee*

- Completed intensive technical training on the Airbus A320 family of aircraft.
- Conducted operational logic tests on various Airbus flight control computers.

### Saint Joseph University of Beirut – ESIB | Mar Roukoz, Lebanon

June 2021 – August 2021

*Project Assistant: Cobot-19*

- Hands-on experience in android app development with firebase integration.
- Worked alongside software engineers in the development of a noninvasive indoor localization and navigation system for a robot for the university's hospital.

### Private Tutor

November 2018 – Present

*Freelance*

- Taught python for first-year university students and mathematics for high school students.
- Strengthened teaching skills and received positive feedback.

## Projects & Leadership

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### Conversion of ICE vehicle to 100% electric

January 2022 – May 2022

Tasked in the development of an interface between embedded systems and drivers in a utilitarian vehicle.

### Mission design of nanosatellite constellation

March 2022 – May 2022

Orbit selection, management of energetic, space, and weight budgets as well as components selection for a nanosatellite constellation that tracks aircraft's ADS-B signals and transmits them to ground stations.

### Google Developer Student Club – Saint Joseph University Chapter

September 2021 – September 2022

*Core team member: Event planner*

Responsible for planning and hosting university-wide events.

### Digital Resilience auto diagnostic website

September 2021 – January 2022

Developed a full stack MERN website to assess digital resilience.

### International shipment tracker

February 2021 – May 2021

Coordinated a team of 10 students in the ideation and design of a cheap, reliable, and scalable international shipment tracking solution. Work was done in cooperation with a local startup and included customer journey maps and empathy maps based on interviews conducted with potential customers.

### Paint Evolution X

April 2020 – June 2020

Led a group of 3 students in the design of a Paint clone in python that counted towards 100% of a programming course final grade that got us full marks.

## Relevant Coursework & Skills

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**Relevant Coursework:** Principles of Compilers, Machine Learning, Artificial Intelligence, Design Patterns, Functional Programming, Data Structure and Algorithms, Object-Oriented Programming, Distributed Applications.

**Programming:** Java, C++, Python, Scala, JavaScript, React, Kotlin, Dart.

**Platforms:** Android Studio, Visual Studio, IntelliJ, Matlab/Simulink, VMware Workstation.

**Spoken Languages:** Fluent in English, French, and Arabic.

**Skills:** Fast Learning, Teaching, Leadership, Problem Solving.