

# ANTONIO MATTAR

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## Education

### Aix-Marseille University

Sep. 2021 – June 2023

Double Bachelor Degree in Computer Science and Mathematics GPA: 4.0/4.0 – Valedictorian

Marseille, France

### ENSIMAG -École nationale supérieure d'informatique et de mathématiques appliquées de Grenoble

Sep. 2023 – June 2026

Software Engineering Degree

Grenoble, France

## Relevant Coursework

- |                                  |                           |                          |   |
|----------------------------------|---------------------------|--------------------------|---|
| • Data Structures and Algorithms | • Numerical Methods       | • Formal Language Theory | • Probabilities                         |
| • Software Methodology           | • Operating Systems       | • Computer Architecture  | • Algebra and Calculus                  |
| • Algorithms Analysis            | • Operational Research    | • Information Theory     | • Topology and Differential Calculation |
|                                  | • Networking and Security | • Statistics and         |   |

## Experience

### Neumann AI

July 2024 – August 2024

Full Stack Developer Intern

Beirut, Lebanon

- Assisted in development of a web-based application to manages employees data across their different companies.
- Stack used: HTML/CSS, JS, JQuery, MySQL, Java

### LIS Marseille - Laboratoire d'Informatique et Systèmes

May 2022 – July 2022

Research Engineer Intern

Marseille, France

- Helped the research team develop a Lambda-Calculus interpreter (using functional programming) with a pedagogical integration of alligators and eggs to make the concept closer to a game and more intuitive for freshmans learning this demanding concept.
- Automated generation of examples with images, thus saved time for my professor who was doing the images manually.

## Projects

### Graphical User Interface Library | C, Valgrind, Gitlab, CLion

May 2024

- Implemented core GUI functionalities, such as event handling, widget creation, and custom graphics rendering, while adhering to coding standards and best practices to ensure a robust and maintainable codebase.
- Collaborated in an Agile team and facilitated efficient group communication by organizing regular code reviews, using version control systems (Git) to manage codebase collaboration, and maintaining clear and concise documentation to support team knowledge sharing and onboarding.

### Transaction Management GUI | Java, Eclipse, JavaFX

November 2022

- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all accounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

### Freelance Projects | NextJS, Vercel

May 2022 - Present

- Designed a website to GLOBAL-PRODUCTS-LB, authorised resellers for elite German manufacturers in Beirut, to increase their online visibility and sales.
- Designed a simple construction company website for UICL Nigeria to help them showcase all their projects to their potential clients, while implementing from scratch the backend of a Contact Us form via SMTP protocol.
- Created a website for Lebanese basketball league LBL where you can watch the games live, get the latest scores and news.

## Technical Skills

**Languages:** Python, Java, C, Bash, SQL, VHDL, R, MIPS, HTML/CSS, JavaScript, MATLAB

**Developer Tools:** VS Code, Eclipse, CLion, Android Studio

**Technologies/Frameworks:** Linux, Gitlab, GitHub, TensorFlow, JUnit, WordPress, NextJS, ReactJS, Vercel, TailwindCSS

**Soft Skills:** Problem Solving, Team Work, Adaptability, Communication

## Certifications

- Certified Microsoft Office Specialist in PowerPoint – June 2020

## Languages

**English:** Fluent — **French:** Native/Bilingual — **Arabic:** Native/Bilingual — **Spanish:** A1 Level