



## Ilyes Bechoual

In first year of Master's degree.  
Computer Science Major  
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### PROFILE:

Student in Computer Engineering at ENSEIRB-MATMECA, seeking a 3-month internship abroad in the field of Computer Science from June to September 2024.

### EDUCATION

#### • Enseirb-Matmeca, Bordeaux.

Engineering school specializing in advanced technology and applied mathematics education.



2022-2025

#### • Preparatory School for Higher Education Jacques Decour, Paris 9.

Math Sup - Math Spé : Intensive French prep courses for engineering school entrance.



2020-2022

#### • High School Maurice Ravel, Paris 20.

Equivalent to an A level in science.



2017-2020

### EXPERIENCE

#### • CACEIS BANK

IT Management Control Intern



June - July 2023

Paris

- Actively managed budgets and engaged in various aspects of management control, enhancing proficiency in Excel and successfully completing related tasks.
- Developed knowledge in financial management and data analysis, contributing to the team's objectives.

### PERSONAL PROJECTS

#### • Fluencia: AI Language Learning Tool

Summer 2023

Created interactive AI language tool with chat-based interface, AI model, and database integration and open-source.

- Tools & technologies used: Python, SQL, AI models, Data Base.
- The aim of the project : Facilitated language learning through conversation-based interaction, enhancing user fluency and language acquisition skills.

#### • Amazons Game Implementation

Jan - May 2023

Implemented the Amazons board game using C.

- Developed a server application allowing multiple clients to play the Amazons game using dynamic loading of shared libraries and interprocess communication.
- Utilized the GNU Scientific Library (GSL) to implement efficient graph representation and algorithms, employing Compressed Row Format (CSR) for optimal storage and retrieval of graph data.
- Collaborated with team members to design and implement diverse client strategies, fostering teamwork, communication, and problem-solving skills.

#### • Optimizing Trajectories to Prevent Air Disasters using Genetic Algorithms

Sep 2021 - July 2022

Optimized airplane trajectories using Genetic Algorithms during my 2 years of prep school.

- Tools & technologies used: Python, Genetic Algorithms.
- Presented the project to a panel of judges.
- Effectively communicated project findings, showcasing problem-solving abilities.

### TECHNICAL SKILLS AND INTERESTS

**Languages:** French: Native language, English : C1, Arabic: Basic knowlegde, Japanese: Basic knowledge.

**Developer Tools:** C , Python, Javascript, SQL, Java, Bash, C++, LaTeX, Azure, Git, Assembly, php.

**Soft Skills:** Leadership, Strong analytical skills

**Areas of Interest:** Data Science, Math, Sport.

### POSITIONS OF RESPONSIBILITY

#### • EIRSPORT, ENSEIRB School Sports Association

Beach Volleyball Responsible