Ilyes Bechoual

In second 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.** — *2022-2025*

  Engineering school specializing in advanced technology and applied mathematics education.

- **Lycée Jacques Decour, Paris 9.** — *2020-2022*

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

- **Lycée Maurice Ravel, Paris 20.** — *2017-2020*

  Equivalent to an A level in science.

EXPERIENCE

- **CACEIS BANK** — *June - July 2023*

  IT Management Control Intern — 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** : B2, **Arabic**: Basic knowlegde, **Japanese**: Basic knowledge.
Developer Tools: C , Python, Javascript, Java, SQL, Bash, C++, LaTex, 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*

HOBBIES

- **Sport :** Volleyball, Basketball, Football, Judo.
- **Others :** Reading, Travelling.