

# RIYAD EL YACOUBI

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## EXPERIENCE

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### Document Management Intern, Eriser

Nov 2023 — Dec 2023

ERISER is a leading company in Morocco's irrigation sector, specializing in irrigation solutions and equipment.

- Assisted in the electronic filing and organization of company documents
- Helped with the scanning and digital archiving of project-related paperwork
- Contributed to the simplification of document retrieval processes for staff

Technologies: Microsoft Office Suite - Windows OS

### Internship in Computer Office, Agricultural Development Office

Aug 2022 — Sep 2022

A government body aimed at enhancing agricultural practices in the Souss Massa region.

- Assisted in the daily maintenance and troubleshooting of computer systems and network issues
- Helped in updating software and installing new hardware components
- Supported staff with basic IT needs and queries, ensuring efficient operation of office technology

Technologies: Adobe Acrobat - Microsoft Office Suite

## EDUCATION

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### MSc. Computer Science, French Engineering degree at EPITA

Sep 2023 — June 2026

- Third year of the engineering program

*Kremlin-Bicêtre, France*

### Preparatory Classes for Grandes Écoles - (MPSI - MP\*)

Sep 2021 — July 2023

- Studied advanced mathematics and physics theory intensively for two years supplemented by OCaml programming at Lycée Louis Thuillier.

*Amiens, France*

### Baccalauréat in Physical Sciences and Mathematics

Sep 2020 — June 2021

- Lycée Al Hanane, highest honors.

*Agadir, Morocco*

## CURRENT PROJECTS

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### JWS & Creeps

- Developed "Creeps," a Java game emphasizing strategy, resource management, and territorial expansion, with progression validated by achievements
- Developed a RESTful backend for an online Bomberman game, implementing multiple endpoints for client interaction in a layered architecture using Quarkus and Hibernate ORM frameworks.

### malloc

- Developed a thread-safe memory allocation library in C, prioritizing reliability and efficiency. Extensively debugged and tested using tools such as GDB and Valgrind, ensuring robustness without reliance on `mmap(2)` for every allocated space.

### 42sh

- Collaborated within a group to construct a Unix-like shell in C, emulating core functionalities including command execution, input/output redirection, and background process management.

### tiger

- Developed a compiler for the Tiger programming language, leveraging C++ alongside tools like Flex, Bison, LLVM, and Clang. The project encompassed the creation of lexical, syntactic, and semantic analyzers to parse and process Tiger source code efficiently.

## SKILLS

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- Code: Python, C, PostgreSQL, Java, C++, Javascript, LaTeX, OCaml
- Tools: Docker, Git, Shell, Jest, GDB
- Language Proficiency: Arabic, French (Native/Bilingual), English (Proficient, TOEIC: 920/990)