# RIYAD EL YACOUBI

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## EXPERIENCE

**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

**MSc. Computer Science, French Engineering degree at EPITA**            Sep 2023 — June 2026

- First 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       *Amiens, France*
  two years supplemented by OCaml programming at Lycée Louis Thuilier.

**Baccalauréat in Physical Sciences and Mathematics**                   Sep 2020 — June 2021

- Lycée Al Hanane, highest honors.                                      *Agadir, Morocco*

## CURRENT PROJECTS

**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.

**PING**

- PING is a smart development environment that supports researchers in writing their thesis. It offers a chatbot for guidance, grammar and spell check features, key term definitions, and suggestions of existing theses. It's improving the overall quality and organization of research projects.

**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

- Code: Python, C, PostgreSQL, Java, C++, Javascript, Node.js, LaTeX, OCaml, HTML, CSS, React
- Tools: Docker, Git, Shell, Jest, GDB, JUnit, Postman, Visual Studio
- Languages: Arabic, French (Native/Bilingual), English (Proficient, TOEIC: 920/990)