

Elias El Abd

Software Engineer Intern

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First-year master's student in Computer Engineering at [ESILV](#) | Apprentice Software Engineer at [EDF R&D](#) | I am passionate about software development and eager to expand my professional experience through an international internship opportunity in summer 2025 or 2026.

Experiences

EDF Research & Development – Software engineer apprentice

September 2024 – August 2027

Paris, France

- Automated code coverage reporting using **Bash**, **gcov**, and **lcov** to identify untested/unused code, reducing technical debt in a legacy codebase.
- Refactored **Python/C++** code and improved **CI/CD** pipelines by integrating new build targets in **Jenkins**.
- Contributed to Debian **packaging**, used **Valgrind** for optimization, and worked with **Singularity containers** for feature integration.
- Collaborated with senior developers on neutronics core simulation software in a Linux environment.

Rueil-Malmaison City Hall – Summer intern

July 2024 – August 2024

Rueil-Malmaison, France

- Conducted conviviality visits to isolated seniors and tracked visit data as part of the **OYES initiative** to reduce elderly isolation.
- Designed and developed an internal software tool using **Python** and **SQL** to streamline the registration of seniors and management of visit data, improving operational efficiency.

Education

ESILV engineering school – Engineering degree, Computer Science & Mathematics

September 2023 – August 2027

Paris, France

Skills

- **Programming Languages:** C/C++, Python (Pandas, Matplotlib, Seaborn, Scikit-learn), Bash, JavaScript (ReactJS, NodeJS), C#, MySQL.
- **Operating Systems:** Linux (Debian-based), Windows.
- **DevOps & CI/CD Tools:** Jenkins, Docker, Kubernetes, Singularity.