

Aymen El ouagouti



2026 Graduate | Paris, France | aymen.elouagouti@gmail.com | linkedin.com/in/aymen-elo | github.com/aymen-elo

Final year Master of Engineering Apprentice in Computer Science, I have a passion for designing and creating innovative IT solutions. I am a highly rigorous and curious person with an interest for Software Engineering, Data Engineering and Machine Learning.

Education

MEng. Computer Science, CESI · Graduate Apprenticeship, GPA: 3.6/4.0

Oct 2023-2026 · Paris

Relevant coursework : Differential Equations, Probability, Statistics, Operations Research, Software Engineering, Big Data, Machine Learning, UX/UI design, System Administration.

BSc. Computer Science, Nantes Université · Rank: 11/145 (Y1), 15/75 (Y2)

Sep 2021-2023 · Nantes

Relevant coursework : Linear Algebra, Probability, Graph Theory, Cryptography, Algorithms and Data Structures, Databases, Computer Architecture, Operating Systems.

Experience

BNP Paribas Asset Management *Software Analyst, Apprentice*

Nov 2024-Present · Paris

- Reduced report generation time for Risk reports by over 90% through the optimization of Power BI dataflows.
- Developing applications, dashboards and automation of the fund exposure and asset levels (AUA/AUM) reporting system.
- Transforming and integrating data from disparate sources into Power BI visualizations to support the Procurement, Finance and Risk teams.

CESI LINEACT *Researcher in Data Science, Intern*

Mar-May 2026 · Paris

- LSTM/GRU models Implementation for predicting battery lifespan using time series data from electric vehicle batteries.

Chemins de Fer Luxembourgeois *Software Developer, Intern*

Apr-Aug 2025 · Luxembourg

- Deployed a Power Apps tool offering +100 staff monitoring of information system impacts using data from SQL Server.

OPmobility *Fullstack Software Developer and DevOps, Apprentice*

Oct 2023-Nov 2024 · Paris

- Developed a task management system, an energy monitoring application (EU 2050 carbon-neutrality), an equipment inventory tool, and a plastic level tracking interface using Spring, Angular, Symfony and TailwindCSS.
- Cut deployment time by 50% by containerizing and migrating apps from Windows Server to Red Hat Enterprise Linux.

Skills

Languages: C++, Python, Java, C#, Javascript, PHP, Bash, PowerShell, SQL, HTML, CSS, Power Query M, LaTeX.

Tools: Git, Angular, Spring, .NET, Flask, MySQL, PostgreSQL, scikit-learn, pandas, NumPy, Docker, Azure DevOps, Linux, Figma, Talend, Hive, Hadoop, Cloudera, Active Directory, Microsoft Power Platform.

Projects

- Morgan Stanley Hackathon - Implemented an FX trading strategy to maximize portfolio value in a Brexit context.
- .NET/WPF Graphical UI backup software featuring multithreading and encryption, managed on Azure DevOps.
- School Review web application in Spring Boot/React, allowing students and staff to rate educational institutions.
- Extraction & Transormation (ETL), Display & Storytelling of medical data (Talend, Hadoop, Cloudera, Power BI).
- C++ linear algebra library and Lagrange polynomial interpolation module with absolute and relative error plotting.

Languages: English, Native Language · French, Native Language · German, Russian, Elementary Proficiency

Certificates: IBM Developing AI Applications, Docker Foundations, Agile Foundations, PHP Symfony Web Development, Stanford and Inria Machine Learning, Yale University Financial Markets.

Interests: Running, Rowing, Photography, Coastal care (Bahri Association).