



MATHILDE PAYA

2nd year of engineering master

native



C1 (IELTS)



bilingual (Abitur)



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CentraleSupélec

driver license

As a computer science-focused engineering student at CentraleSupélec, one of France's leading engineering institutions, I am driven by curiosity, adaptability, and a commitment to reliability.

Comfortable in international environments, I continuously seek challenges that allow me to learn and grow, aiming to create a meaningful, positive impact through my work.

Education

Sept. 2022 - current

Master of Engineering | CentraleSupélec, Paris (France)

-- algorithmics and complexity, mathematical modeling, networks and security, electronic systems

Sept. 2023 - Aug. 2024

Alliance4Tech exchange program

University College London, London (UK)

-- applied AI, app engineering, AI for sustainable development, computer graphics

Technische Universität Berlin, Berlin (Germany)

-- machine learning for computer security, cryptography, automatic image analysis, image processing for remote sensing

Sept. 2020 - June 2022

Classe Préparatoire aux Grandes Ecoles | lycée Thiers, Marseille (France)

-- intensive scientific training (mathematics, physics, engineering) with the aim of preparing for entrance exams to top engineering schools

Skills

Tech skills | data science (python, R), machine learning (PyTorch, TensorFlow), web development (HTML, CSS, JavaScript, React, Django, SQL, PostgreSQL), web traffic analysis (WireShark)

Graphic design and prototyping | Figma, Canva, UI/UX design principles

Interpersonal skills | proactive behavior, teamwork, effective communication, adaptability, stress resistance

Project management | Agile methodologies, Confluence, GitHub

Relevant experience

Sept. 2024 - current

Research and Development Intern | GE Healthcare, Buc (France)

-- development and industrialization of decision support algorithms in the field of the circular economy applied to medical equipment, deployment of a robust and secure web app

learning outcome: prototype-to-deployment management, client interactions, web security skills, computer science research

July-Aug. 2023

Civil Engineering Laboratory Intern | Cerema Méditerranée, Aix-en-Provence (France)

-- concrete testing officer: perform compression tests (reception of samples or casting, traceability, tests on mechanical or automatic presses, report writing)

learning outcome: protocol adherence, communication, problem-solving, autonomy

Projects

- Analysis of a GreenPeace campaign : graph theory, social media propagation (Python) | CentraleSupélec
- CTF participation on basic cryptography concepts (Python) | Technische Universität Berlin
- Web app creation for UCL IXN : company-university projects creation and management, contract signatures (Next js, PostgreSQL, Docker, DocuSign API) | UCL

Interests

Art and craftsmanship | personal practice, member of the Arts Bureau at CentraleSupélec

Sport | trekking, cycling, player in the women's volleyball team at CentraleSupélec

Social and environmental action | member of the Friends of the Earth association (organizing awareness campaigns, writing and presenting a conference on digital pollution), volunteering for Crisis (UK)