

Adrien CHAIGNEAU

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EDUCATION

ENSEM (multidisciplinary national engineering school in the field of energy), Vandœuvre-lès-Nancy, France

Final year student in a 3-year graduate program

Sept 2023 – Present

Coursework: Automation, Robotics, AI, Algorithms, Programming, Physics

Classes préparatoires (2-year undergraduate program), La Rochelle, France

Program for a competitive entrance exam to leading French national Grandes Ecoles

Sept 2020 – July 2023

Coursework: Math, Physics, Mechatronics, Chemistry, Computer Science

SKILLS

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- Programming Languages: C, Python, Java, SQL, FPGA, Assembly, VBA
 - Web Technologies: HTML5, CSS, XML, JSON, MySQL
 - Servers: LAMP servers (Linux Apache MySQL, PHP), NGINX, Docker
 - Tools: Visual Studio Code, GitHub/Gitlab, MS Office,
 - Platforms: Windows, Linux (Debian, Ubuntu, Raspbian)
 - Languages: French (native language), English (TOEIC score 885 : B2), Spanish (A2)

EXPERIENCE

Safran, Poitiers, France

Intern (Software engineering)

June. 2025 – July 2025

- Collaborated with a hardware designer to develop a new measuring tool based on a legacy system.
- Integrated modern sensors, new communication protocols, and upgraded software, resulting in a more convenient, automated, and reliable tool.

Safran, Poitiers, France

Intern (Software developer)

July 2024

- Responsible for tool management
- Needing a lot of tools, the team needed a tool management system. Designed and implemented a tool management system with a custom database to monitor usage and improve productivity. Enhanced team efficiency by streamlining tool tracking and allocation processes.

ACADEMIC PROJECTS

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- Steering Wheel Design: Developed a new steering wheel system for an energy-efficient race car.
 - Autonomous Robot: Built a robot capable of map-based navigation using optimized algorithms for the shortest path problem.
 - Self-Driving Vehicle: Designed and programmed an autonomous car prototype based on the Renault Twizy.

EXTRA-CURRICULAR ACTIVITIES

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- Member of the “Bureau des Arts”(student union), ENSEM, responsible for communication
 - Member of the “ENSEM Eco-Marathon”(student union), ENSEM, responsible for communication and electronics
 - Director of short videos for social media and film festivals