

Adrien CHAIGNEAU

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EDUCATION

ENSEM (multidisciplinary national engineering school in the field of energy) , Vandœuvre-lès-Nancy, France	
<i>Final year student in a 3-year graduate program</i>	Sept 2023 – Present
Coursework: Automation, Robotics, AI, Algorithms, Programming, Physics	
Classes préparatoires (2-year undergraduate program) , La Rochelle, France	
<i>Program for a competitive entrance exam to leading French national Grandes Ecoles</i>	Sept 2020 – July 2023
Coursework: Math, Physics, Mechatronics, Chemistry, Computer Science	

SKILLS

- 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	
<i>Intern (Software engineering)</i>	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	
<i>Intern (Software developper)</i>	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

- 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

- 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