CHAHAN DONIKIAN

MASTER'S STUDENT AT CPE LYON IN ROBOTICS

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ÉDUCATION

Master's degree in Digital Science

CPE LYON French top School of Engineering in Digital Sciences

📅 09/2022 - 01/2026 ⚲ Villeurbanne, France

•General curriculum : Web development, Object programming, Embedded systems, Network protocols, Signal processing, System programming, Analogue and digital electronics, Fundamental Knowledge of Data Mining
•Specialisation courses : Robot modelling, Human-robot interaction, Autonomous transport systems, Introduction to ROS middleware, Motion modelling and management, Mobile robotics, Adaptive filters, Rapid prototyping in robotics, Automation, Robotic vision(pytorch), Motorised embedded systems, Deeplearning.

Preparatory Classes

Preparatory classes "Institution des Chartreux - associated to CPE Lyon"

📅 09/2019 - 06/2022 ⚲ Lyon, France

• 3 years full-time higher education in maths and Science in preparation for entry to CPE Lyon for the final year of Bachelor's degree

PROJECTS

Start-up projects

- Technical study, Market research, Business plans, Search for funding.
- Presentation to potential investors
- Results: Creation of a validated and functional prototype, positive feedback on the business plan and market study.

Main Projects

• Prototyping an automated parking lot design using ESP32 / Arduino / ROS2
• 3-month project on the creation of an autonomous robot using STM32
• Drone piloting using Python / ROS2
• Design of a dosing robot
• Development of an e-commerce website
• Creation of a recommendation system in Python
• Design of a 3D video game in Python and OpenGL
• Creation of a Space Invader in Python
• Implementation of APIs on Pepper robots

INTERNSHIPS

6-months internship in Japan

Sound&Vision Technologies

📅 08/2025 - 02/2026

Project: Feature Development for a Commercial Assistant Robot
Full-Stack Development
- Backend: RESTful APIs, microservices architecture, authentication systems
- Frontend: HTML5/CSS3, Bootstrap, Jinja2 templating
- Embedded: ARM firmware, Linux system integration, IoT sensors
Cloud & Services
Firebase (Auth, Realtime DB, Storage), AWS Rekognition, REST API integration
System & DevOps
Linux (Systemd, networking), Git workflow, SQLite, data encryption
Architecture & Patterns
Microservices, Client/Server, Publisher/Subscriber, design patterns

3-months internship

Alstom

📅 02/2025 - 05/2025

Implemention of Robot Framework and Selenium environments to automate KMC tests.
Skills acquired: Complex product development cycle / Corporate software development processes Robot Framework and Selenium environments / Automatic testing and CI/CD

1-month internship

La Banque Postale

📅 06/2023 - 07/2023

Skills acquired: banking knowledge / work in group / adaptability / respect for confidentiality / customer service / collaboration and communication

RESUME

Future Software & Robotics Engineer (Graduating Feb. 2026)
Final-year student at CPE Lyon seeking a first position in Japan. I bring a strong background in software development and robotics, along with a proven ability to adapt. Having already lived in Japan for 6 months, I am fully committed to integrating into the Japanese work culture and contributing to your engineering team.

LANGUAGES

French: native speaker

English: very good knowledge preparing C1 level exam   CEFR

Spanish: intermediate

Japanese: beginner in writing and speaking, but better understanding

PASSIONS

Travels: Vietnam, Armenia, Spain , Italy , Croatia , Morocco , Tunisia, Japan.

Sport : Volleyball, tennis, gym.

SKILLS

Matlab / Packet Tracer / µVision / Gazebo / Arduino IDE / STM32 IDE / Visual Studio Code / Docker / EventViewer / Firebase / AWS

Programming skills: Python (Flask, Cython) / Java / C / Selenium/ ROS2

Web development: HTML / CSS / Java Script

Versioning tools: Proficient with GitLab and GitHub

ASSOCIATION

Member of the CPE Lyon student committee

Project management: Planning and executing a variety of events on time and on budget.
Teamwork: Working closely with other BDE members to achieve common goals.
Leadership: Managing and motivating a team to ensure that activities run smoothly.

WORK EXPERIENCE

Cashier at a japanese restaurant

GYOZA.JP

📅 05/2023 - 11/2023 ⚲ Lyon, France

•Welcoming customers at the checkout
•Working closely in team to ensure a smooth and positive customer experience

Private teacher

•Home tuition in mathematics and physics up to Baccalauréat level