

CAMILLE FAUCHIER

SOFTWARE ENGINEER

22 years old student in Computer science master degree at Institut Polytechnique de Paris, I am looking for a 6 months internship from March 2023.

CONTACT INFORMATION

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 [Camille Fauchier](#)

 <https://camillefch.github.io/>

ACADEMIC PROJECTS

Middleware for smart parkings

FROM SEPTEMBER 2022 TO NOVEMBER 2022

- Design and implement one distributed applications that : display number of spots availables in a given parking, indicate the nearest parking with available parkings spots, manage the reservations in the parkings.

IoT and Blockchain Project

FROM JANUARY 2022 TO JUNE 2022

- Propose access control and management using a smart contract depending on the type of IoT device (sensor / actuator)
- Cipher data onchain using homomorphic encryption to make data secured.

Liver segmentation using U-NET networks

FROM OCTOBER 2021 TO DECEMBER 2021

- Provided a solution for liver segmentation using convolutional neural networks, with a focus on U-Net-like architecture.
- Languages used : Python, Keras, Tensorflow

SKILLS

IT : Python, Java, C, HTML, CSS, Flask, InfluxDB, SQLite, PostgreSQL, Telegram, Grafana, Git, Docker, OSI Model, UDP/TCP Protocols, Authentification protocols.

Business skills: Project Management, Teamwork, Communication, Adaptability, Organization

Languages : French and English – Fluent.

Driving licence

EDUCATIONAL BACKGROUND

Institut Polytechnique de Paris (2022-2023)

MASTER'S DEGREE – COMPUTER SCIENCE FOR NETWORKS

- Study of techniques, methods and tools provided by computer science to model, analyze and improve networks and distributed systems.
- **Classes included :** Middleware for distributed Applications, Virtualization, Operating systems, Network Security and Privacy, Global Labs for Industry-driven Software, Machine Learning for Computer Networks and Services, Software Defined Networks.

Télécom SudParis (2020-2023)

MASTER'S DEGREE – MATHEMATICS AND COMPUTER SCIENCE

- Mathematics, Physics, Computer Science, Information Systems, Networks, Services and Protocols, Signal and Communications.

Lycée Saint-Louis, Paris VI (2018-2020)

CLASSES PRÉPARATOIRES AUX GRANDES ECOLES, MPSI – MP

- Two-year of undergraduate intensive course in mathematics and/or physics to train for national competitive examination for admission to the French "Grandes Ecoles".

PROFESSIONAL EXPERIENCE

Java Software Developer | Internship

INFOR, CZECH REPUBLIC

SUMMER 2022

- Software development for a cloud platform.
- Benchmark the performance of a software application.
- Develop a test utility which can test and stress a system.
- Develop practices to test the system both for health and benchmark.

Data engineer | Freelance

VIRTUA-NETWORKS, FRANCE

FROM NOVEMBER 2021 TO JUNE 2021

- IT development to decode LoRa frames (in JavaScript).
- Data integration and processing.

Private teacher | Freelance

FROM NOVEMBER 2021 TO JUNE 2022

- Strengthen mathematic skills of a highschool student.

IT developer | Internship

VIRTUA-NETWORKS, FRANCE

SUMMER 2021

- Web site development in Python using the framework Flask.
- Writing of a documentation on the LoRaWAN subject.
- Help for the deployment of a LoRAWAN project.