

Zachary GAGNOU

Engineering Internship from Feb to July 2023

American and French-born, currently living in France. I love new innovative tech such as AI, space flight and electric transportation. So far I have studied technical science of sustainable energy in 5th year of my masters in engineering at EPF in France and look forward to working in groundbreaking innovation as an engineer.

Experience

2021-
2022

Junior Software Engineer

CyBe Construction, Oss NL | 1 Year

Development of features for a slicing software for concrete 3D printing in C# in parallel of studies.

Fall
2021

Software Internship

CyBe Construction, Oss NL | 5 months

Design of new slicing method and adapting mesh shapes in 3D modeling for concrete 3D printing in C#.

2019-
2021

President of association

BDTech, Montpellier FR | 2 Years

Directing a student association with the goal of promoting and realizing various technical projects.

Summer
2020

Assistant to carbon footprint engineer

WiiFor IOT, Toulouse FR | 5 weeks

Assisting in carbon footprint assessment of the company and embedded software experience with IOT sensors.

Summer
2019

Database filtering

Renault software labs, Toulouse FR | 4 weeks

Blue collar internship in Database filtering, Javascript experience with translation files for android auto.

Academic projects

EPF Graduate School of Engineering

- ICT React app for AI mythbuster.
- Face mask detection with AI.
- Encrypting software for GNU/Linux in C.
- Monitoring kit with Arduino and Matlab simulation.
- Full PCB design for heating siding system.

High School

- Construction of a one manned electric car.
- Organisation of an environmental awareness week for the students of the school.

Studies

2018-
2023

EPF Graduate School of Engineering

Masters of engineering with major in data science

Montpellier, FRANCE

Study of Stem fields and general engineering. Main courses: Physics, Computer Science, Data Engineering, Numerical Optimization, Management, Linear Algebra and Linguistics.

SW Skills

C/C++ ; C# ; JS ; SQL

GIT ; GNU/Linux

Python ; R

Wolfram Mathematica

CI/CD ; Docker ; Kubernetes

Qualities & Skills

French → Native

English → Native

Spanish → Limited working proficiency

Dutch → Elementary proficiency

Enthusiastic

Passionate

Versatile

Mobile

Interests

Cinema • New Tech • Space

Exploration • Skiing •

Electronics • Pc building •

Free software

Contact

+33 6 52 30 55 57

zachary.gagnou@epfedu.fr

Driver's license

Github: github.com/zakenobi

www.linkedin.com/in/ZacharyGagnou