

Nathanaël

SOULAT



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</in/nathanael-soulat/>

PRESENTATION

I am passionate about IT and I was able to learn it through many projects and internships. I am willing to participate in the improvement of software in order to make people lives easier.

IT SKILLS

Backend:

- Python (Pandas, Numpy, Tkinter, Django, FastAPI, Selenium)
- C#, C++
- JS (NodeJS, Express)

Frontend:

- VueJS, HTML, CSS

CI/CD (Git)

Office Pack

LANGUAGES

French (Native Tongue)

English (B2 – Confirmed)
TOEIC – 960/990

Spanish (B1 – Intermediate)

Japanese (A2 – Beginner)

INTERESTS

Sport : volleyball (competition)

Volunteer in student associations

Reading : Greek Mythology

Engineer from Centrale Marseille

Looking for a job as a Software Engineer



EDUCATION

Bachelor and Master of science in Engineering

2019 - 2022

École centrale de Marseille (Marseille 13^e, France)

- Highly selective French engineering school
- Major in Computer Science. GPA: 3.77
- Web Development, Internet of Things, OOP, Data Driven Programming

Master GIG - Geometry and Computer Graphics

2021 - 2022

Université Aix-Marseille - Luminy (Marseille 8^e, France)

- Double degree focusing on algorithms and Geometric Models.
- C++, OpenMesh, OpenGL, QtCreator, Unity3D

CPGE MPSI – MP*

2017 - 2019

Lycée Saint-Louis (Paris 6^e, France)

- Intensive preparation in Mathematics and Physics for the competitive exams to French engineering schools.

BACCALAURÉAT SCIENTIFIQUE

2017

Lycée Hélène Boucher (Paris 20^e, France)

- Honours: Mention Très Bien – Computer Science specialisation (ISN)



EXPERIENCES

R&D Software Engineer

Dassault Systèmes

2022

- 6-month internship in the Human Team of Dassault Systèmes. I did researches and states of the art of the human crowd simulation and then developed the first components and algorithms. JavaScript, C++

Junior Software Engineer

Lucca

2021

- 3-month internship in a SARH software backend development team within a SaaS scale-up. I added a synchronization tool for two software of the company, using RabbitMQ (AMQP Protocol). C#, ASP.NET, EF 6/EF CORE.

Web Developer

GInfo (non-profit association)

2020 - 2021

- Web Developer (Symphony 4) at the computer science association of Centrale Marseille.



PROJECTS

ECM 3D Maps Project

Centrale Marseille

2021

- Development of a mobile application that uses an interactive 3D map of the Centrale Marseille campus and suggests routes. C#, Unity3D

InstaBot Project

Personal Project

2021

- Development of a bot with a control interface that manages Instagram accounts. Growth hacking technology. The bot uses Python, Selenium, FastAPI, MySQL, SQLAlchemy.

Daredevil Project

Laboratoire IRPHE

2019 - 2020

- Creation and building of a « blind » robot that moves with the help of accelerometers in order to illustrate new researches on blind copepods that locate their environment using hydrodynamic sensors. Work in small teams over 1 year, using a Raspberry Pi 4B (robotics, programming).

Pet Shop Project

Centrale Marseille

2020

- Development of a website using Python Django, OOP, PonyORM and Pandas in order to simulate a pet shop website.

Library Project

Centrale Marseille

2020

- Development of an interface in C++ to manage a network of libraries.
- Object Programming, polymorphism, error handling, patterns.