

Sami FAKHRY

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20 years old

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Address : 7 rue Raoul Blanchard, 38000 Grenoble

Driver License.

Programming Languages :

Python (confirmed > 3 ans) -

C (beginner ~ 1 an) -

Swift (beginner < 1 an) -

Shell (beginner < 1 an) -

Kotlin (beginner) -

Fluent English C1

Spanish B1

CAREER OBJECTIVE

Graduate student in Applied Mathematics and Computer Science (M.Eng. expected in 2023), I am looking for a work/internship opportunity between June-September 2021. I have experience in mathematical modelling, AI, and software development. I am keen to work with innovative projects advancing new technologies.

EDUCATION

GRENOBLE INP - ENSIMAG

ENGINEERING SCHOOL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE - GRENOBLE, FRANCE

MASTER OF ENGINEERING, SEPTEMBER 2020 –EXPECTED JUNE 2023

- Core curriculum in **mathematics** (e.g. information theory, applied probabilities and calculus) and **computer science** (e.g. software development in **Python** and **C**, **algorithmic**, **data structures** and operational research)

SUMMER SCHOOL

CENTER FOR RESEARCH IN INFORMATION SCIENCES, TECHNOLOGIES AND ARCHITECTURE - LISBON, PORTUGAL

JUNE 2019

- One week **IOT project in group** using Lora technology
- Data collection, analysis and prediction with Python (**scikit-learn**)

BORDEAUX INP

PREPA DES INP - BORDEAUX, FRANCE

SEPTEMBER 2018– JUNE 2020

- Two-year intensive undergraduate program axed on mathematics, physics and computer science to prepare top French engineering schools

HIGH SCHOOL DIPLOMA

BACCALAURÉAT WITH DISTINCTION AND HONORS 19/20 | ANGOULÊME, FRANCE

JUNE 2018

WORK EXPERIENCES

WELLPUTT | START-UP, ANGLET, FRANCE

Wellputt is a small French company which develops golf training aids to enhance the golfer's performance. They lead the market in the US and provide top golfers with their products. They hired me to develop training aids applications gathering courses and videos as a complement to the training mats they sell worldwide.

ANDROID DEVELOPER PROJECT LEAD

OCTOBER 2020 – DECEMBER 2020

- Led Android Development in **Kotlin** on Android Studio, in close coordination with the client.
- Versioning using **Git**

SWIFT DEVELOPER

MAY 2020 – JULY 2020

- IOs development in **Swift** in a three-person team led by a senior software engineer.
- **SQLite Database** management.
- Golf trajectories computation in Python using **Google Colab**.

VITIROVER | START-UP, SAINT-EMILION, FRANCE

Vitirover is a small French company which offers grass management services using small mower-robots, mainly to wine producer near Bordeaux and to others companies (SNCF, EDF, ...) in France and in Europe.

ENGINEERING ASSISTANT INTERNSHIP

APRIL 2020 – JULY 2020

- Software development for micro-robotics to detect mechanical malfunction through audio signals.
- Real-time frequency analysis of audio signals and of accelerometer, using FFT computation in C and Python.

INTERESTS AND ACTIVITIES

- **Personal project** : Video surveillance system on Raspberry pi
- **Coding competition/Problem solving**: CodinGame (lafak), Euler Project (lafak) Coding Battle le Shaker.
- Kickboxing K1 light, semi-finalist at France championship (2018).
- Literature : Dostoïevski, Frankl, Jancovici,...