

# Mario Khoury

## Contact and Links

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Address: Munich, Germany

Date of Birth: July 23, 1998

[LinkedIn](#), [HackerRank](#), [Leetcode](#), [Git](#)

## Education

**Saint-Joseph University of Beyrouth**

B.E. in Software and communication Engineering

Lebanon | 2016-2021

**Collège Notre Dame de Jamhour**

French and Lebanese Baccalaureate: Math Specialties

Lebanon | 2003-2016

## Skills

Python, Java, C++, C#, C, Scala, MySQL, Firebase, Swagger, Cuda, TensorFlow, PyTorch, Sklearn, Pandas, Numpy, Matplotlib, Flask, Android (Java), HTML5, CSS, JavaScript

## Tools

GitHub, Docker, Postman, SoapUI, IntelliJ, Android Studio, Visual Studio, PyCharm, Jmeter, VSCode Microsoft (Word, Excel, PowerPoint)

## Concept

Computer Vision, Data Structure and Algorithms, Machine Learning, Object Oriented Programming, Design Patterns, SSH, Rest APIs, Bash Command, Linux, Spring Boot, Junit Test

## Languages

- Fluent in French
- Fluent in English
- Fluent in Arabic
- A1 in German

## Hobbies

- Chess Tournament Player
- Basketball and Cycling

## Personal Achievements

- Cycling from Portugal to Spain and from Croatia to Italy (2015-2016)
- Lebanese Taekwondo Champion (2012-2014)

## Job Experience

Jan 21 – Now **BMW GROUP** Munich, Germany  
(1 year) **Research and Development in Computer Vision**

- Train models to generate images with StyleGan2, CycleGan, CGan and Style Transfer using Tensorflow and PyTorch
- Create Rest APIs using Python with Flask, RapidAPI and Swagger
- Generating and cleaning Synthetic datasets using Omniverse
- Train and evaluate object detection models with synthetic and hybrid datasets.

May 20 – Mar 21 **FOO** Beirut, Lebanon  
(10 months) **Backend Developer**

- Create Rest APIs using Spring Boot Framework in Java
- Unit Testing using Junit
- Manipulate WSDL file in SoapUI and Consume Soap API
- Create environments and collections in Postman

Jan 20 – Dec 20 **FREELANCE** Beirut, Lebanon  
(1 year) **Android Developer**

- Create a Mobile Application in Android Studio with Java
- Add Sinch library for the call API
- Use Firebase to store and retrieve data in Real-Time

Jul 15 – Aug 15 **BERYTECH** Beirut, Lebanon  
(1 month) **Web Developer**

- Overview of computer architecture

## Hackathons and Competitions

Oct 19 **BMW HACKATHON** LAU, Lebanon  
**1<sup>st</sup> place in Machine Learning and 4<sup>th</sup> at the competition**

- Build a Machine Learning application for regression and classification using Python (Sklearn, Numpy, Pandas and Flask)

20 – 21 **GOOGLE COMPETITIONS** Remote

- Lebanese top 5 in Google Hash Code competition
- Solve algorithms problems in Google Kickstart and Code Jam

Jul 20 **BEIRUT AI HACKATHON** Remote  
**1<sup>st</sup> place in the Hackathon**

- Build a recommender system to substitute imported food with local product using Big Data algorithm

Jun 20 **MIT LEBANON CHALLENGE** Remote  
**3<sup>rd</sup> place with around 1000 participant**

- Connect farmers with consumers by replacing middleware with a platform using spring boot application

## Projects

20 – 21 **MULTIDISCIPLINARY PROJECT** USJ, Lebanon  
(6 months) **Spy Robot**

- Build a spy robot using a RaspberryPi that can stream it surrounding
- The robot uses A\* algorithm to find the shortest path and avoid collision

19 – 20 **KAGGLE PROJECTS** Remote  
**Machine Learning Projects**

- Build a classification model that predict if someone survive at the titanic using Sklearn
- Build a regression model that predict the price of a house based on many features with Sklearn