Ghiwa Khalil

Paris, France

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Education:

- **Master 2 of Science, Genomics Informatics and Mathematics for Health and Science**
  Université Paris-Saclay
  Expected date of graduation: July 2020

- **Master 1 of Science, Genomics Informatics and Mathematics for Health and Science**,
  Université Paris-Saclay
  Holder of Université Paris Saclay bourse d'Excellence
  Date of Graduation: 2019

- **Bachelor of Science, Bioinformatics**
  Lebanese American University, Beirut, Lebanon
  Honors& Distinction: Placed several times on LAU's Honor List& Distinction List
  Date of Graduation: July 2017

Work Experience:

- **February 2020 – Present: IBISIC, Paris, France**
  Internship
  Project**:** Machine learning model for the prediction and classification of coding and noncoding RNA in cancer genes.

- **April 2019 – July 2019: IBISIC, Paris, France**
  Internship
  Project: Machine learning models for the prediction of cancer driver genes using gene functional similarities assessed through gene ontology.

- **January 2018 – August 2018: American University of Beirut (AUB), Beirut, Lebanon**
  Research Assistant at AUB's Bioinformatics Lab

- **June 2017 – August 2017: American University of Beirut (AUB), Beirut, Lebanon**
  Internship at Bioinformatics Lab
  Project: Development of an R pipeline for the analysis of micro array data.

- **June 2016 – August 2016: Lebanese American University (LAU), Byblos, Lebanon**
  Research Assistant at the Bioinformatics Department

Social Activities:

- **2016- 2017**
  The Lebanese Ministry of Economy and Trade:
  Enrolled as a volunteer in monitoring the prices of the market and the sanitation of products (such as clothes, food and equipment) and reporting any relevant violations to the concerned departments**.**

- **2015-2017**
  MOMKIN (an Organization that offers extra tutoring for students of public schools):
  Enrolled as a Tutor for grade 9 students to assist them in the necessary preparation for official exams.

- **2015-2017**
  Loyac Organization:
  Participated in several workshops in the fields of character analysis, volunteering, leadership skills, human communication, and self- management.

- **2014-2016**
  LAU Modern Arab League: MAL
  Member of MAL, this position entitled me to present lectures to students on several issues related to Peace, Human rights and Conflict resolution.

- **2013**
  LAU Modern Arab League: MAL
  Participated in the LAU's Modern Arab League where students from different schools were enrolled in a two-day conference aiming at debating real life issues, and I managed to earn the first rank in this competition.

Computer Skills:

- Experienced with Linux System
- Bash
- R
- Python
- Regular Expression
- Java
- CSS
- SQL

Projects Developed:

- R program that can detect clusters of transcription factor mutations.
- Java program that performs Pairwise Sequence Alignment on any two proteins sequences and provides the sequence identity.
- R Program that analyses microarray data and submits the results in an Excel and Pdf format.
- Database Management System project.

Publications: Bioconductor Package fcScan: for detecting clusters of coordinates with user defined options. *R package version 1.1.0 (https://www.bioconductor.org/packages/release/bioc/html/fcScan.html)*

Languages: Fluent in English and Arabic / Beginner in French

References are available upon request