



CYNTHIA FRANCIS

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EDUCATION

Lebanese American University

BS in Mathematics

Beirut, Lebanon

August 2021-June 2024

Highlighted Coursework: Multivariable Calculus, Probability and Statistics, Linear Algebra, Object-Oriented Programming (Python), Objects and Data Abstraction (Java), Database Management Sciences (SQL), Numerical Analysis, Abstract Algebra, Complex Analysis, Real Analysis, Topology, Partial Differential Equations, Technology Ethics.

WORK/PROJECT EXPERIENCE

EQUITECH FUTURES

Equitech Scholars Program

Remote

June 2023-August 2023

- Received a \$7600 scholarship to attend a program for undergraduates on using data science and AI for social impact.
- Built a memo for an AI tool to assist mental health professionals in detecting signs of ADHD in children.

UNITED NATIONAS GLOBAL COMPACT NETWORK LEBANON

Researcher in the SDG Brain Lab's Data Hub

Beirut, Lebanon

October 2022-Ongoing

- Conducted literature review on corporate sustainability in Lebanon.
- Participated in writing a report about a case study of Lebanese employee's awareness of their companies' sustainability efforts, in order to understand the disparities in SDG awareness.

Teaching/VOLUNTEERING EXPERIENCE

MMKN NGO

Mathematics Tutor

Beirut, Lebanon

February 2022-May 2022

- Mentored 60 high school students towards improved academic foundations in pre-calculus, algebra, and statistics.
- Built comprehensive lesson plans, resulting in a 100% success rate in the Lebanese official exams.

Coordinator

May 2022-June 2022

- Regulated data accuracy by entering & validating 30 students' information on Excel, enabling seamless tutoring coordination.
- Supervised tutoring sessions and coordinated between students, tutors, and MMKN administration.

LEBANESE AMERICAN UNIVERSITY

BUS105: Business Mathematics, Department of Information Technology & Operations Management

Beirut, Lebanon

Spring 2023

- Provided personalized, one-on-one and small group tutoring sessions to undergraduate business students.
- Assisted students in understanding and applying mathematical concepts relevant to business disciplines, such as finance, economics, and accounting.
- Created tailored lesson plans and instructional materials that align with the curriculum and cater to diverse learning styles.

GEEK EXPRESS

Part-Time Coding Trainer

Beirut, Lebanon

January 2023-Ongoing

- Led development of virtual 3D game design for students with HatchXR through a Hackathon.
- Taught app development courses & block-based coding for students aged 11-14 with MIT App Inventor and published applications on Google Play.

SCHOLARSHIPS AND AWARDS

GROW WITH GOOGLE SCHOLARSHIP WITH AMIDEAST

- Received the Grow with Google scholarship to complete 8 online courses, developed by Google, that include hands-on, practice-based data analytics assessments.
- Capstone Project: Prepared, processed, and analyzed data with R to improve the marketing strategy of Bella-beat.

ADDITIONAL

LANGUAGES: Arabic (native), English (fluent), and French (proficient)

TECHNICAL SKILLS: MS Office, Python, Tableau, Data visualizations, basic R (Programming Language)

INTERESTS: Swimming, Reading, Technology, Education