Mahmoud Basma

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EDUCATION

Lebanese American University CGPA: 3.6/4.00   Aug 2018-May 2022

Bachelor of Science in Mathematics | Minor in Computer Science | Teaching Diploma

Intensive AI bootcamp with Zaka   Aug 2021 – Sep 2021

EXPERIENCE

International College (IC) – Practice teacher   Sep 2021 – present

- Teaching High school Math for international Baccalaureate students levels CPP, IBI and IBII

Geeks Express – Intern   Jan 2021 – May 2021

- Developed Curriculums for the company's teachers on robotics and programming.
- Did extensive research on computer skills education for individuals aging between 5-20.

Geeks Express – AI & Web Development Trainer   March 2021 – present

- Training students on web developments using HTML, CSS, JavaScript and React
- Training students on AI by introducing them to Python, then Python for data science and Machine learning

Ministry of Education Oman – App development trainer   May 2021- June 2021

Trained Omani school students for the Oman App development competition 2021

AI4Climate Hackathon – AI trainer   July 2021

Trained different levels of students (Ministry of energy staff, MBUAI students, business graduate studies students and high school students) from UAE on Artificial intelligence. During this hackathon I trained the students on cleaning datasets, processing & classifying images and using the proper machine learning model in order to use AI to fight climate change.

Chain of Education – Course creator   Dec 2020 – Dec 2021

- Recorded lectures and practice exercises on College Calculus to assist other college students in the course.
- Drafted introductory lectures and practice exercises for Python programming.

Lebanese American University – Tutor   Sep 2018 – May 2021

- Provided lectures and problem-solving sessions in Calculus 3, Linear Algebra and Business Mathematics under the supervision of the mathematics department.
- Tutored scholarship students in introductory math courses (Differential Equations, Linear Algebra, Advanced Calculus and Numerical methods), under the supervision of the Outreach and Civic Engagement Office (OCE).

VOLUNTEER WORK AND COMMUNITY ENGAGEMENT ACTIVITIES

Lebanese American University   Aug 2019-Present

- Student Mentor of Scholarship Students
- President/Vice president of the cycling club

Lebanese Red Cross   Feb 2019-Present

- Emergency Medical Technician – Basic

- Member of COVID -19 committee
- Maintenance and logistics committee at spears station
- Mission Leader
- Ambulance Driver

Millennium Fellowship   Aug 2020 – Dec 2021
- Campus director

Youth Leadership Program (YLP6)   April 2020-August 2020
- Creating and developing Experience map initiative

Java Boot-Camp   April 2021
- Trainer/facilitator of the Java Boot camp

PROJECTS

Hospital Management System
 This project aimed to optimize the readiness of a hospital by tracking the patient's entrance problems and main medication. The project was developed using java, JDBC, java swing GUI and MySQL.

iTunes Clone
 This project was a simulation for iTunes. The project was developed using python and SQLite.

GymPal
 This project is a web app that follows the MERN stack. The web design was done using Figma. The project is a gym information system that allows smooth interactions between the management, trainers and clients.

Right to learn
 Community Service project for career guidance

Code it
 Coding and programming basics taught for public high school students

Experience Map
 Fighting unemployment among fresh graduates and contributing to quality education

CERTIFICATES AND TRAININGS

10th Place in the Lebanese Collegiate Programming Contest (2nd at the Lebanese American University) – Competitive programming

Computer Science by Coursera:
- Python Specialization (University of Michigan)
- Java Specialization (Duke University) – In Progress
- Data Scientist Tools Box (The Johns Hopkins University)
- Mathematics for Machine Learning (Imperial College London)
- Full stack development with React - In progress

SKILLS

- **Computer literacy:** Proficient in Microsoft Office (Word, Excel, PowerPoint, Outlook)
- **Coding knowledge:** Python, Java, JavaScript, SQL, NoSQL, React.js, express.js, node.js and MATLAB.
- **Languages:** Fluent in English and Arabic