
Name: Israa Zeaiter

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PROFILE:

Highly motivated PhD student in applied mathematics (cotutelle) at Lebanese University and University of Compiegne. Possesses solid teaching experience in school and through private tutoring . Earned Bachelor's degree in Computer Science (2026) .

Education:

First year Phd student in applied mathematics specialized in Cahn-Hilliard equations and their applications in Biology, Chemistry, and image processing. Simulations for the mathematical results using Matlab. Bachelor's degree in Computer science at Lebanese University. Strong background in mathematics and its applications.

Experience:

Two years of experience at Al Batoul school the mathematic subject. 7 years of experience in private teaching (scientific subjects) all elementary and secondary classes. Designed and delivered engaging lesson plans and activities . Strong ability to explain complex concepts clearly and effectively. Strong expertise in integrating AI tools and digital platforms in teaching.

Skills

- Experienced in applying rigorous analytical methods to solve complex mathematical problems and communicate advanced concepts effectively.
- Programming skills: Java , C, Python, Data Structures and Algorithms, computational modeling and simulations, Html, css, javascript, php, Object Oriented Programming.
- Intermediate knowledge in Artificial Intelligence concepts(Reinforcement learning,machine learning fundamentals). Familiar with python libraries (numpy, pandas, matplotlib) . Extensive knowledge in neural network .
- Canva expert
- Skilled in geogebra, desmos.
- AI tools in Education: NotebookLm, Canva , Gemini, Vids, Quizziz, Bamboozle, Magic School, Kahoot, nanoBanana, Lovart, Gamma,Leonardo.ai, zapier, flippity, ElevenLabs,
- Ability to learn fast, adapt, gain skills
- Integrating programming skills in education

PROJECTS

Library Website: html, css, and javascript.

Municipality system: Database, php , html, css, and javascript.

CERTIFICATES

- Certificate of attending Ai kit at AUB in partnership to Zaka where it provided strong knowledge in AI concepts, applications, tools, and automation.
- Certificate of attending Scientific Forum “ Artificial Intelligence in Academia: Shaping the future of Science” at Lebanese University .
- Certificate of attending Summer School “Numerical Methods in Modeling and Control”.
- Certificate of attending Winter Sprint Bootcamp in software engineering.
- Young Preneur Award Training by Center of Science and Technology.
- Certificate of attending Extensive Neural Network workshop.

LANGUAGES

- English: Proficiency
- Arabic: Proficiency
- French : Basics.

SEMINARS

- Nonlinear Schrodinger Equation Course at AUB
- Application of partial differential equation at AUB