

LILAS TAWIL

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EDUCATION

-Lebanese American University

Bachelors of Engineering in Mechatronics Engineering

Expected Graduation: 2026

-Lebanese baccalaureate diploma in Life Sciences, Taalabaya Official High School

Lebanon, Byblos

2022 - Present

2022

TECHNICAL SKILLS

- Technical Skills: Java, Javascript, Python, HTML, CSS
- CAD software: SolidWorks, AutoCAD
- Soft Skills: communication, teamwork, problem-solving, adaptability, time management
- Visual programming platforms: LabVIEW, Thunkable, Pictoblox, Scratch
- Productivity and design tools: Canva, Excel, word, PowerPoint

CERTIFICATES

- Javascript Essential Training - LinkedIn (December 2024)
- Learning LabVIEW - LinkedIn (December 2024)
- Training of Trainers (TOT)-STEAM - Michel Daher Foundation (September 2024)
- Quantum A.I - IEEE PU Student Branch (September 2024)
- Supervised Machine Learning: Regression and Classification - Coursera (August 2024)
- Java for Beginners - AmigosCode (August 2024)
- AI Prompting and AI Tools - ddd community (August 2024)
- Cybersecurity for Everyone - Coursera (June 2024)
- Programming using Python - Coursera (May 2024)

PROJECTS

Car Transmission System Design (Lebanese American University)

September 2024

- Designed and built an automatic car transmission prototype using logic gates and state machines.
- Enabled real-time control and monitoring with gas, brakes, and gear selection inputs, along with outputs like LEDs, buzzers, and seven-segment displays for RPM and gear states.

Thunkable Recipe Book App (Training of Trainers (TOT)-STEAM)

September 2024

- Developed a mobile app allowing users to create, store, and easily find their favorite recipes.
- Simplified meal planning with an intuitive interface and efficient recipe management tools.

Python Game Project (Freelance)

September 2024

- Developed an interactive game using Python and a graphical user interface (GUI).
- Designed and implemented engaging visuals and controls, ensuring a seamless user experience.

Thunkable Bakery Purchase App (Training of Trainers (TOT)-STEAM)

August 2024

- Built a bakery purchase app enabling customers to browse products, customize orders, and place them efficiently.
- Enhanced user satisfaction with seamless navigation and a streamlined purchasing process.

Scratch Game Project (Training of Trainers (TOT)-STEAM)

August 2024

- Created a multi-game project with four integrated games, helping users learn basic programming concepts through hands-on play.
- Designed an engaging and educational platform accessible to beginners.

EXPERIENCE

Private Tutor

2020 - 2022

- Provided one-on-one tutoring in Math, Physics, and Chemistry to students across various age groups.
- Helping them achieve high academic grades and deepen their understanding of the subjects.

Owner & Operator – Chocolate Box Business**2020 - 2022**

- Launched and managed a small business specializing in custom chocolate gift boxes
- developing skills in entrepreneurship, product design, marketing, and customer service.

ADDITIONAL SOCIAL ACTIVITIES

Robotics Club at LAU.

Participant in the YLP 10 by the United Nations Development Programme (UNDP) 2024- Present

- I have taken multiple courses focusing on entrepreneurship and the UN Sustainable Development Goals (SDGs), enhancing my ability to develop sustainable business solutions and contribute to global challenges.
- Engaged in the Youth Leadership Program (YLP), enhancing leadership skills and fostering awareness of global issues for community-driven change.

LANGUAGES

Arabic (Native); English (Fluent); French (Fluent).