

GEORGIO EL KHOURY

COMPUTER ENGINEER

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in georgio-el-khoury-223723226/ 📺 Georgio-Khoury

SUMMARY

I am a Senior Computer Engineering student at LAU where I learned about developing computer software and hardware systems. I am deeply passionate about software development and actively seeking opportunities to expand my knowledge in that field. I am dedicated to learning new technologies, frameworks, and programming languages and apply them to solve real life problems.

EDUCATION

Antonine Sisters School

General Sciences 2021

Lebanese American University Byblos

B.E Computer Engineering 2025

Sept. 2021 - Dec. 2025

EMPLOYMENT

WiFast (Industrial Hub), Part-time Software Engineer, Remote

Mar. 2024 - Apr. 2024

My colleagues and I took on a paid task to design the development plan of an application. We did the following:

- Meet with the client and gather information about the project
- Write a requirement specification document and develop the development plan for the frontend and backend.
- Designed a UI/UX prototype on Figma

SKILLS

PROGRAMMING SKILLS: Java, JavaScript, Python, OOP, DSA, HTML5, CSS, Assembly, VHDL, C, Machine Learning

FRAMEWORKS, DATA MANAGEMENT AND CLOUD SERVICES: Node, ExpressJS, React.js, Flask, JavaFX, Firebase, MongoDB, SQL, NoSQL, MySQL

HARDWARE: VHDL, Assembly, Arduino, C, ESP8266, Raspberry Pi, Programming MCUs

LANGUAGES: Arabic (Native), French B2, English C1

PROJECTS

WEX

- WEX is an online item selling platform that was built using React.js for the frontend, Express.js for the API and Firebase for data management and storage (Firestore, cloud storage).
- The application allows users to post items they're selling, browse items, add items to their wish list and contact the seller of the item through the built-in Real-time Chatting service built using a web socket server (seperate from the REST API).
- The application's interface, the REST API and the WebSocket are all hosted using Render (link in Github).

EventApp

- Developed a Full-stack web application using React.js, Flask (python backend framework) and MySQL that enables users to register in events and also host events.
- Developed a RESTful API that performs CRUD operations on the MySQL database that I designed, listens to requests from the React frontend and sends responses in JSON.

Smart Irrigation Systems

Jan. 2024 - May 2024

Worked with my team and accomplished the following:

- Managed the Flutter Mobile application, fixed some bugs in the backend and fixed the UI.
- Programmed the Arduino Uno board to control the water pump based on sensor data.
- Programmed the ESP8266 board to send data to the Firestore database in Firebase.
- Presented the project and the prototype to engineers and doctors.