

# Ghaidaa Jahjah

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## WORK EXPERIENCE

### Invigo, Lebanon — *Software Engineering Intern*

Telecommunications Solutions provider JUN 2022 - AUG 2022

Created a proof of concept to test the possibility of migrating the Automatic device management solution, Invigo's main software, from using Element UI framework to Quasar UI framework by writing a middleware layer that does not require to modify the source code. Utilized VueJs, JavaScript, CSS, Docker, and other internal systems.

## EDUCATION

### American University of Beirut, Bachelor in Computer and Communication Engineering.

USAID HES Scholar. Top 20% of my class.

JAN 2020 - DEC 2023

## PROJECTS

### Currency Exchange App — *Backend Developer*

MAR 2023 - MAY 2023

Contributed to the development of a currency exchange app that enables users to receive and post transactions, access insightful statistical analysis, and visualize graphs illustrating the dollar exchange rate in Lebanon. Specifically, my role within the team focused on developing the backend using Flask.

### Chatting App — *Developer*

NOV 2022 - MAR 2023

Developed a mobile chatting app using Flutter and Firebase, following Agile methodology (Scrum). With Flutter, I created a visually appealing and cross-platform user interface, while Firebase provides real-time messaging, authentication, and data storage capabilities.

### SEE Smackdown 2022 by NASA — *NASA AUB Team Developer*

FEB 2022 - APR 2022

Participated in SEE (Simulation Exploration Experience), an initiative coordinated by NASA, in creating a High-Level Architecture Federation of simulators to develop a spacecraft component using Java and Pitch pRTI,

### DES Tool — *Developer*

FEB 2022 - MAY 2022

Developed a DES encryption and decryption user-friendly tool in python and TKinter UI library.

### Library Management System — *Developer*

SEP 2021 - DEC 2021

Implemented a Library management system website using Django web framework (Python) for the backend and HTML/CSS/Javascript for the frontend. The system also included a cart-user model.

## TECHNICAL SKILLS

**Languages:** Java, Python, Dart, C++, Javascript, HTML/CSS

**Frameworks and Libraries:** Flutter, Django, Flask, VueJs, ReactJs

**Tools:** GitHub, Visual Studio, Android Studio, Docker

### Related Courses:

Data Structures and Algorithms  
Design and Analysis of Algorithms  
Software Engineering I & II  
Object-oriented Programming,  
Computer networks  
Cryptography and Network Security  
Ethical Hacking  
Web, Mobile, and Application  
Development Lab

## LANGUAGES

**Arabic** native  
**English** fluent

## EXTRACURRICULAR ACTIVITIES

### **E-waste Management Project—** *Lebanon, Beirut suburbs*

JUN 2022 - PRESENT

Working within a team of 6 to implement a solution for electronic waste mismanagement in Lebanon. The project aims to raise awareness among youth, about the dangers of e-waste, and design smart recycle E-Waste bins to manage and ease the e-waste collection and classification.

### **Humanitarian Engineering Initiative—** *Lebanon, Saadnayel Refugee Camp*

JAY 2022 - JUN 2022

Worked within a team of 5 to propose an efficient solution to the issue of inaccessible education faced in a Syrian refugee Camp. The solution consisted of an awareness campaign among refugee families about the importance of education, and a scholarship program for refugee children.

## VOLUNTEERING

Completed **150+** volunteering hours under the coordination of the Center of Civic Engagement and Community Service at the American University of Beirut in: **Anera, Pathways, Naqab Center, Chimlan Social Institution, AUBMC, USAID - AUB.**