

Zouheir Nakouzi

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EDUCATION

Beirut Arab University

Bachelor of Engineering in Computer Engineering, GPA: 3.46

Aug 2024

Dibbiyeh, Lebanon

- Ranked 1st Place in 4th Level among 18 students with a 4.0 semester GPA

WORK EXPERIENCE

Alien War Lounge

Computer Assistant & Mobile Application Developer

Aug 2022 – Sept 2023

Saida, Lebanon

- Created and restored operating system images for 51 computers using Acronis True Image
- Developed and released the Alien War Lounge App on the Google Play Store and Apple App Store
- Improved customer engagement by installing and testing 12 new games on the server
- Managed user accounts and sold playtime hours using the Point-Of-Sale Management Platform, Gizmo

PROJECTS

CropSync. Crop Monitoring Platform with AI, IoT, and a Flutter Mobile Application

github.com/ZouheirN/CropSync

- Teamed up with 5 people and focused on front-end design, hardware implementation, and server maintainability
- Engineered a data acquisition system by integrating Raspberry Pi, NPK soil sensor, Arduino, and MariaDB
- Embedded an AI model with 96% accuracy in the application to detect plant diseases using TensorFlow Lite
- Operated an AWS EC2 instance with Windows Server 2022 to host the Node.js back-end
- Automated server deployment with CI/CD using GitHub Actions
- Employed push notifications through OneSignal API

To-Do List Application. Flutter Mobile Application Focusing on Security

github.com/ZouheirN/Flutter_To-Do_App

- Conducted a 3-month research about the best security practices and Flutter application hacking
- Implemented hashing with salt, code obfuscation, biometric and 2-factor authentication, and secure JWT storage
- Reverse engineered the final application using jadx to make sure code obfuscation is working

Subtitle Downloader. Flutter Application with BLoC State Management

github.com/ZouheirN/Subtitle-Downloader

- Developed a movie and TV show subtitle downloader using Subdl API
- Integrated Firebase features such as authentication and OAuth, email verification, and password reset
- Stored user information in Firestore, enabling synchronization of downloaded subtitles across devices
- Introduced a file manager feature to choose installed movies or shows and download appropriate subtitles

Alien War Lounge App. Flutter Mobile Application for Customers

[Google Play Store](https://play.google.com/store/apps/details?id=com.alienwarlounge), [Apple App Store](https://apps.apple.com/qa/app/alien-war-lounge/id1544444444)

- Published on Google Play Store and Apple App Store resulting in over 100 downloads combined
- Enabled push notifications through Firebase Cloud Messaging
- Integrated the Gizmo API, enhancing customer's experience for logging in and viewing account information
- Added scan QR code to login feature

SKILLS

Languages: Arabic (Native), English (Fluent), Norwegian - Bokmål (Beginner)

Software Skills: Python, Flutter, Dart, MySQL, MariaDB, Git, Windows, Linux

Hardware Skills: Arduino, Raspberry Pi