Mohamad Nour El Arab

Computer and Communications Engineer

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EDUCATION

AMERICAN UNIVERSITY OF BEIRUT   Beirut, Lebanon
Bachelor of Engineering in CCE (Computer and Communications Engineering)   Expected June 2022

- **Coursework:** Data Structures and Algorithms, Operating Systems, Computer Networks, Mobile Networks and Applications, Computer Organization.
- **Activities**: Big Data Club, IEEE, AUB Robotics, Automotive Club

INTERNATIONAL COLLEGE   Beirut, Lebanon
High School Diploma   *June 2017*

- Ranked first in High School System with Science and Mathematics Honor Awards

EXPERIENCE

DOWNSHIFT (Startup) – Online Vehicle Market   Beirut, Lebanon
Founder   *November 2018 – Present*

- Founded Downshift and assembled teams for iOS/Android/Web development
- Directly managed XML on Android while supervising Xcode development and proposed solutions to challenges faced in creating a responsive application on different device classes
- Formed business plan for launch in the Arab region (Lebanon, UAE, KSA) but halted due to national economic situation
- Made the decision (in response to national recession) to build Downshift myself from the ground up using Google's hybrid development framework (Flutter) with MERN stack integration

TECHNICAL SKILLS/PROJECTS

COMPUTER LANGUAGES/TECHNOLOGIES

Python | Dart | C++ | HTML/CSS | Git | Flutter | MongoDB | ExpressJS | NodeJS | React | Django

PROJECTS

Downshift	iOS/Android Vehicle Market App created to allow for a user-friendly and practical connection between showrooms and potential buyers | **in progress**
RISC-V ISA Identifier	Console program that identifies the various parameters of a given hexadecimal RISC-V instruction (C++)
Network Cell Analyzer	Android application that shows real time data of connected network cells as well as parameter querying for operator connectivity, network type time, and SNR

ADDITIONAL INFORMATION

- Proficient in Microsoft Office, Adobe XD, and Figma (UI Design)
- Fluent in English and Arabic
- Familiar with French
- **Hobbies:** Art/Design, Gaming, Karting, Soccer