Jason Makhoul

Beirut, Lebanon

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Education

American University of Beirut (AUB), Beirut, Lebanon   **February 2024**
B.E. in Computer and Communications Engineering

- Concentrations: Software Systems, Communications and Networking

Experience

AUB, MSFEA Career Development Center   **June 2023 – August 2023**
Software Engineer

- Developed a comprehensive Python project utilizing libraries such as Pandas, Dedupe, NumPy, SciPy, and Scikit-learn to manipulate, standardize, categorize, and enrich data collected by the career center
- Designed and implemented a PyQt-based user interface, improving the accessibility and usability of the application, and collaborated with a team of developers to refine project objectives

AUB, Electrical and Computer Engineering Department   **January 2023 – May 2023**
Coding Coach

- Collaborated with instructors to provide guidance and support to students in web, mobile, and application development, fostering hands-on learning in coding skills and best practices
- Led weekly lab sessions and organized coding clinics, facilitating understanding of course concepts and offering valuable feedback to students

CloudGate Consulting DWC-LLC, Beirut, Lebanon   **June 2022 – August 2022**
Software Engineering Intern

- Worked extensively on the backend of a mobile investing application, leveraging technologies such as FastAPI, Docker, AWS serverless architecture, AWS Lambda, and API Gateway
- Utilized the Moto and Boto3 libraries to conduct thorough testing, identify security vulnerabilities, and implement a two-factor authentication system in collaboration with a team of developers

Projects

Carpooling Mobile Application   **September 2022 – May 2023**
- Collaborated with a team of fellow students to design and develop a carpooling mobile application for iOS and Android
- Developed and maintained the application's backend infrastructure using Python, Flask, and Azure, including extensive testing

Currency Exchange Rate Platform   **January 2022 – May 2022**
- Built a cross-platform program using React for Web, Kotlin for Android, and JavaFX SDK for Desktop
- Deployed a RESTful FastAPI framework and a MySQL database that holds secured accounts and users' transaction histories

Skills

Programming Languages	Python, C++, Java, JavaScript, SQL, Kotlin, C, Assembly, HTML/CSS
Technologies	React, Flask, Django, FastAPI, MySQL
Tools	Visual Studio, PyCharm, Eclipse, Android Studio, Git, Docker
Operating Systems	Windows, Ubuntu
Languages	Arabic (Native), English (Fluent), French (Basic), German (Basic)

Memberships & Interests

- Member at large in the AUB Robotics Club and IEEE – AUB Student Branch
- Learning video game design using Unity and Unreal Engine