BASSEL ISBER

Computer and Communications Engineer

ABOUT ME

A third year Computer and Communication Engineering undergraduate student at the American University of Beirut. Experienced in Python and C++ programming languages and pursuing a focus area in software and networking. Interested in machine learning, web, and mobile applications development. Seeking internships for real world experience to apply my skills on projects with worldwide appeal.

CONTACT

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✉ bsi00@mail.aub.edu
📍 Beirut, Lebanon
in LinkedIn
Citizenship:
Canadian
Lebanese

SKILLS

Python
TensorFlow
Scikit-learn
C++
HTML/CSS
SQL
JavaScript
React.js
Node.js
Jira

LANGUAGES

English (Native)
Arabic (Native)

Education

American University of Beirut (AUB) Beirut, Lebanon
August 2020-(Expected May 2024)
Bachelor of Engineering (BEN) in Computer and Communications Engineering.
GPA: 3.62/4.0
Dean's honor list: Fall 20-21, Spring 23-24.

American Community School Beirut Beirut, Lebanon
February 2005-June 2020
Lebanese Baccalaureate, Life Sciences. Graduated with distinction.
GPA: 3.5/4.0

Experience

IT Specialist Assistant, American University of Beirut (AUB)
Sep 2022-Present
- Work Study Program in the IT department of the Faculty of Engineering and Architecture with a team of 7 students to troubleshoot problems faced by students and professor's devices.
- Managing IT inventory, maintaining lab computers, Setting up new devices for professors and labs.

Car Dealership Platform, (AUB Software Engineering I)
Spring 2023
- Built an online platform for car dealerships, encompassing car listings, dealership management, and booking test drives management.
- Collaborated closely with a skilled team of 6 using Agile and Scrum methodologies, utilizing Jira for project management, to design and develop the platform. Employed the modern tech stack of Node.js, React.js, and MongoDB.
- Took ownership of the Front-End development, utilizing React.js to create an intuitive and visually appealing user interface.

Transportation Management System, (AUB Databases Course)
Spring 2023
- As a team of 4 members, fully designed a functional database that deals with a transportation system.
- Designed and implemented a fully functional database using SQL on MySQL, incorporating data relevant to the transportation system.
- Executed comprehensive queries to validate the database's functionality.

DES Encryption and Decryption Application, (AUB Cryptography course)
Fall 2022
- Developed an application which works on encrypting and decrypting using the DES algorithm using Python.
- Wrote python scripts that implement Playfair, Hill Cipher, Vigenère and AES.

Peer-to-Peer Message App, (AUB Computer Networks course)
Spring 2022
- Collaborated with a team of 4 to create a robust and secure Peer-to-Peer Message App.
- Developed the messaging application using Python, leveraging the TCP protocol for reliable and efficient communication.
- Implemented testing to ensure the reliability of the Peer-to-Peer Message App, simulating packet loss scenarios to validate robustness of application.

Extracurricular activities and volunteering

ACS Go Green, Beirut, Lebanon   September 2017– March 2020
• Lead the club to raise awareness regarding recycling paper, plastic, and electronic waste.
Berlin CAS Trip, ACS Beirut   13 May 2019 – 18 May 2020
• Joined in on the Berlin CAS trip in high school and completed many volunteering opportunities including planting and harvesting produce for a local family-owned restaurant.