Roni BouKheir

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OBJECTIVE

A highly motivated and skilled Computer Science student at Lebanese American University, currently pursuing a Bachelor of Science with a deep passion for advancing technological solutions. Dedicated to leveraging extensive academic training and personal projects in software development and machine learning to solve real-world problems effectively. With a strong background in leadership both academically and in the community, I seek to continually enhance my skills through hands-on experience while contributing positively to a dynamic team environment.

EDUCATION

Lebanese American University, *Bachelor of Science in Computer Science*   Sep 2022 – Present

- Received the prestigious USAID HES scholarship, awarded to only 112 students across Lebanon.   *Expected to Graduate in May 2025*
- Placed on the Dean's Honors list.
- Selected as a member of the organizing team for AWS Cloud Club LAU.
- Actively participated in the Google Developer Student Club, Software Engineering Club, and monthly workshops.

EXPERIENCE

Lebanese American University

- **Laboratory Assistant,** *Object and Data Abstraction*   *Jan 2024 - present*
  - Acquired further skills in data structures and object-oriented programming.
- **Research Assistant,** *Machine Learning*   *Dec 2023 - present*
  - Developed and applied advanced machine learning algorithms with hands-on experience in machine learning development.
- **Residence Hall Representative**   *Sep 2023 – present*
  - Improved skills in community leadership, conflict resolution, event planning, and fostering a collaborative living environment.

Private Tutor, *Freelance*   *Jul 2023 – Present*

- Tutor in university courses such as object-oriented programming, object & data abstraction, Algorithm and data structure, and calculus III.
- Acquired further proficiency in the given course, and improved my communication, problem-solving, and adaptability skills.

The Experts Catering   *May 2020 – Aug 2022*

- Developed a heightened sense of responsibility, expanded my networks, and significantly enhanced my communication skills.

PROJECTS

Text Recognition, *Personal Project*

- Implemented a text recognition deep learning project using CNN, Pygame, and Keras, focusing on the identification of text, digits, and hand-drawn images. This work demonstrates advanced skills in machine learning and image processing.

Traffic-AI, *Personal Project*

- Designed and developed a deep learning project that utilizes TensorFlow and computer vision algorithms to accurately recognize and classify road signs from digital images.

Portfolio, *Personal Project*

- Developed a personal portfolio, and gained proficiency in JavaScript, HTML, CSS, and Git while developing my Portfolio.

Server-Client Chat-box, *Personal Project*

- Developed a Server-Client Chat-box using Java and C separately, that handles using multithreading server-client implementation that handles several clients in parallel.
- Advanced knowledge in basic networking and multithreading concepts using Java and C, and enhanced skills in developing efficient and scalable systems, focusing on optimized performance and adaptability.

ACHIEVEMENTS

5th Place in Google Developers Devathon   *November 25, 2023*

- Led a team of four among approximately 150 participants from more than 18 universities in Lebanon, showcasing dedication and teamwork in addressing a diverse range of challenging Google solution problems.

Millennium Fellowship alumni   *Sep 2022- Nov 2023*

- The Millennium Fellowship, run by the United Nations Academic Impact and Millennium Campus Network (MCN), is a prestigious program aimed at developing leadership and social impact skills among undergraduate students.

Kickboxing World Champion   *2013-2014*

- World Champion in Kickboxing, demonstrating elite athletic skill, dedication, and leadership in martial arts.   *2016-2019*

VOLUNTEERING

LAU USAID HES PROGRAM, *Mentor & Tutor & Volunteer*   *Sep 2022-present*

- Tutored DSA, calculus III.
- Ensured a 100% passing rate with good academic standing by providing studying and exam-taking tips.
- Contributed 170+ hours to volunteer initiatives across Lebanon, supervised by the USAID Program.
- Mentored new USAID scholars, providing guidance and support in their academic pursuits and adaptation to university life.

Lebanese Scouts, *Scout Leader*   *May2018-present*

- Scout Leader with experience for 2 years fostering teamwork, leadership, and outdoor skills in young individuals, contributing tocommunity engagement and personal development.

SKILLS

Languages: Arabic(C2), English (C1)

Tech-Skills: DSA, Machine Learning, Java, Python, C, Dart (Flutter) , JavaScript, Git, HTML, CSS, VB.NET, SQL, Database Management Systems, Kali Linux

Soft-Skills: Agile, Communication, Critical Problem-Solving, Leadership, Productivity.