

Lea Chadraoui

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<https://github.com/leachadraoui>

Education

American University of Beirut AUB, Lebanon | Bachelor of Computer Science

Aug. 2022 - Present

- Accomplished several courses such as: Algorithm and Data Structure, Linear Algebra, Software engineering, Discrete Mathematics, Statistics and Probability, Database Systems, OOPs, Machine Learning and many more.
- Attended competitive programming sessions on: Number Theory, Dynamic Programming and Graphs.
- Elected as the student's representative for the faculty of Arts and Science.

Experience

AUB | Spell Master Project | C

Oct. 2023 – Dec. 2023

- Collaborated with 4 classmates in the “software construction” course on a project using C.
- Created a complex Spell Master game in C featuring a bot, coin toss, and different difficulty levels.
- Employed multiple game components ensuring an intuitive user interface UI using “Visual Code”.

AUB | Food Item Image Recognition | PYTHON

March. 2024 - Present

- Initiated a machine learning project aimed at identifying various food items through image analysis, leveraging Python and deep learning techniques to push the boundaries of culinary technology.
- Played a key role in designing and developing a custom neural network model, optimizing its architecture for high accuracy and efficiency in recognizing diverse food types from images.
- Employed cutting-edge data augmentation techniques to enrich the training dataset, significantly improving model robustness and performance under varied condition.

AUB | AUBeFriends App | FLUTTER – FIREBASE

Feb. 2024 - Present

- Led a dynamic team of 4 as the Scrum Master in the development of a mobile application aimed at enhancing connectivity among students at AUB, facilitating peer-to-peer advice and support based on major and courses taken.
- Spearheaded the frontend development to create a user-friendly interface that promotes seamless interaction among students.
- Implemented agile project management techniques to ensure project milestones were met efficiently, promoting a culture of continuous improvement and adaptability within the team.
- Coordinated closely with backend developers to integrate APIs and ensure smooth data exchange, enhancing the app's functionality and user experience.

Technical Knowledge

Programming languages: Java, Python, C, C++, HTML/CSS, Dart, SQL

Other tools: Agile, Scrum, Waterfall, Git, Flutter, React Native, SQL, NoSQL, Firebase

Languages: Arabic, French and English

Memberships

- UNICEF Club Sept. 2022 – Present
- Computer Science Students Society Sept. 2022 – Present

Extracurricular Activities

- Basketball Varsity Team | Player Sept. 2023 – Present
- Rally Paper Organizer Feb. 2024 – Present