LEA CAYRALAT

Senior Student in Computer and Communications Engineering
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EDUCATION

American University of Beirut   September 2019 – Present

Major	B.Eng., Computer and Communications Engineering; emphasis on Software Engineering/Data Science
Average over 100	Cumulative: 83 (3.53 GPA)

Grand Lycée Franco-Libanais French Baccalaureate. Grade: *Très Bien (Very Good)*   September 2004 – June 2019

EXPERIENCE

Finastra | Paris, France - *UX Engineer Intern*   June 2022 – September 2022
- o Contributed to the Finastra Design System by implementing new Web Components to their library, using TypeScript, Lit and SCSS.
- o Contributed to the Design System by fixing bugs related to older components.
- o Prototyped and Built a Banking Retail App using Finastra's Design System and Financial APIs as part of their "Patterns and Apps" for the Design System.

American University of Beirut | Beirut, Lebanon **-** *Coding Coach Scholarship*   January 2022 – May 2022
- o Handled a computer lab of 18 students for the course EECE 230: Introduction to Computation and Programming.
- o Taught algorithmic concepts using Python.
- o Corrected students' assignments and exams.

GeekExpress | Remote - *Coding Instructor*   Mars 2021 – Present
- o Teaching coding courses such as Data Science, Artificial Intelligence, Game and App dev to students all over the MENA region from age 5 to 18.

NeuroNap | Beirut, Lebanon - *Development Team Assistant Lead*   January 2021 – Present
- o Involved in a youth startup that aims to enhance sleeping habits using a small device that studies hormones in saliva.
- o Part of the development team responsible for building the website and app that connects to the small device which is currently still in the research/prototyping phase.

RELEVANT PROJECTS

Carpool App   August 2022 – Present
- o Building a Carpooling application for students in collaboration with the American University of Beirut, that would be available on Android, IOS and the Web.
- o Making student's commuting easier amidst serious economic and fuel crisis in Lebanon.

Banking Retail App   June 2022 – August 2022
- o Used React, NestJs, Nx workspace, to build a responsive Banking Retail Web Application. ([GitHub](#))
- o Used Finastra's financial APIs to retrieve necessary data related to customers' accounts, balances, transactions and transfers.

Currency Exchange Platform   February 2022 – April 2022
- o Built a currency exchange platform using Android Studio for Mobile, React for Web, JavaFX for desktop.
- o Developed an API for the platform using Python Flask and MySQL database. ([GitHub](#))

Hotel Aggregation Database Management System   February 2022 – April 2022
- o Built and implemented a Relational Database to keep track of different users, hotels, locations, bookings, and services.
- o Developed a UI to interact with the database using Python Django, MySQL Database and React.

SKILLS & ABILITIES

Software:
- o *Programming Languages:* Python, Java, JavaScript, C++, Kotlin, HTML/CSS, TypeScript/SCSS.
- o *Tools/Framework:* Flask, Django Node.js, React, NestJS, Nx, SQL, ANTLR, Java Swing, JSON, Git, Heroku, Firebase, Figma, AWS

Languages:
- o English (native) | Arabic (native) | French (native) | Spanish (beginner-intermediate) | German (beginner)

ACTIVITIES

- o Secretary of the Game Development and Esports Club at the American University of Beirut *(2021-present)*
- o Back Stage Team Leader for 2 consecutive years at AUB Outdoors, the biggest student-lead event in the Mena Region *(2021-2022)*
- o IEEE AUB Student Branch Committee Member *(2020-2021)*
- o Volunteer at All Girls Code, a community dedicated to embrace girls in STEM in the MENA Region *(2020-2021)*