

Heba Rachid

heba.rachid | +961 76-882-551 | [linkedin/heba-rachid](https://www.linkedin.com/in/heba-rachid) | [github/hebarachid](https://github.com/hebarachid)

EDUCATION

BSc. Computer Science

LEBANESE AMERICAN UNIVERSITY

Cumulative GPA: 3.98/4

Aug 2019 - Jun 2022

WORK EXPERIENCE

INTEGRATED DIGITAL SYSTEM | MOBILE DEVELOPER

Dec 2022 - Still

- Designed and implemented interfaces to enhance the user experience using **mobile UI design patterns** and **xml layouts**
- Supported and contributed in **Arseel** application lifecycle from concept, design, test, release to support.
- Cooperated with the back-end team to create apis using **python and flask**, then created efficient algorithms to process data from a custom **REST API**, so it could scale to handle millions of users.
- Setup **threads and pipelining** to ensure that the app is continuously running in the background without the operating system killing it.
- Fixed bugs, enhanced features and animations using libraries such as **expanding collection** and **v4compact** libraries
- learned the importance of **MVVM and MVP architectures** and built MVP rest APIs that were later linked to the UI using **retrofit** and **async task http connections**

SYSTEMINENCE | .NET SOFTWARE DEVELOPER

May 2021 - Aug 2021

- Designed MVC web projects and a reporting portal (named octopus) that the company uses nowadays.
- Applied the mCP-ABE encryption scheme using the JPBC library, to enhance the privacy and authentication of patients in SESOBEL Autism Center that use mantis, the company's behavioral coding and analysis product.
- Used **kendo-Telerik** to include grids, graphs and pie charts in a dashboard project. All of which were connected to **SQL** using APIs and JSON objects.
- Read all Microsoft .Net documentation and practiced **C # and LINQ to SQL** through extensive code debugging processes.

PROJECTS

VALANTINE

JAVA, COMPUTER NETWORKS, DESKTOP APPLICATION, JAVA FX

A Client-Server application that provides a multi-threaded Server which can accept multiple JavaFX based clients that can create accounts, merge images, calculate love percentage between two names, and get movie night ideas while having the communication being implemented at the Sockets level.

DEADPOOL OS

PIPELINING, THREADS AND SYNCHRONOUS COMMUNICATION

Implemented a personalized shell bash commands using linux.

CLOSER

JAVA, ANDROID, FIREBASE

A mobile app to enhance long distance relationship experience through personalized direct and easy interactions such as push notifications while sending hearts and kisses, couple trivia games, romance movie recommendation, memos and precious dates to be saved in a calendar.

ABOLISH POVERTY

HTML, CSS, JAVASCRIPT, REACT, AJAX, MONGODB AND PHP

A fundraising project where users can skim through events, attend them and select causes that they want to donate to such as providing food, shelter..

BANG BANG

C#, UNITY, CONCURRENCY, ARTIFICIAL INTELLIGENCE

It is a turn-based game where the aim is to score the highest at the end of the round (when the main timer finishes, or when any of the players is destroyed).

SKILLS

Languages: Java, Python, C#, SQL

Mobile Development: Java, Kotlin, Retrofit, MVVM, MVP, GRPC

Web Development: React, JavaScript, HTML/CSS