

Yassine El Zaart

A Computer Science student looking to grow in Software Engineering

Beirut, Lebanon

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EDUCATION

Lebanese American University (LAU) | Beirut, Lebanon

- Bachelor's Degree in Computer Science
- Expected Graduation Date: September 2022

PERSONAL PROJECTS

Donation Track

github.com/YassinZaart/DonationTrackBackend

github.com/YassinZaart/Android-Donation-Track

Backend

- Utilized: Python, Flask, REST, SQL Alchemy
- Donation Track is an app that helps match underprivileged people with donors
- Developed a REST API using Python, Flask and SQL Alchemy
- Adhered to version control best practices by creating small and modular commits with descriptive messages
- Followed a code review process to make sure merged code is maintainable and readable

Frontend

- Utilized: Native Android, Kotlin, Coroutines, Retrofit
- Donation Track Android app allows the user to insert and lookup donations. Users will also be able to post about others in need of help.
- Followed development best practices such as single responsibility principle, code reuse, separation of concerns and code readability

Discord Bot | github.com/YassinZaart/Discord-Bot-kt

- Utilized: Kotlin, Reactor, Discord4J
- Developed a Discord bot in Kotlin that holds chat-based fighting games between users
- Followed a Functional-Reactive Programming approach in order to cleanly reflect the event based and asynchronous nature of the bot
- Adhered to version control best practices and utilized code reviews
- Followed development best practices such as single responsibility principle, code reuse, separation of concerns and code readability

UNIVERSITY PROJECTS

Multiprocessing Chess Engine

- Utilized: C, Message Passing Interface (MPI), MiniMax Algorithm, Alpha-Beta Pruning
- Developed, using C, a chess engine that finds the best move within a certain depth
- Used alpha-beta pruning to traverse the position and find the best move.
- Used MPI to distribute the workload on different processors equally to ensure a fast delivery.

SKILLS

- Algorithms & Data Structures
- Programming Languages:
Knowledgeable in
Kotlin, Python, Java
Also used
SQL, HTML/CSS, Javascript, C
- Frameworks/Development
Platforms: Flask,
SQLAlchemy, Android,
Reactor, Discord4J, Git,
Github, Linux
- Languages: Fluent in English
and Arabic

EXTRA CURRICULAR

Chess

- President of the university
chess club 2021-2022
- Vice President of the
university chess club
2020-2021
- Member of the university's
competitive chess team
- Scored 2nd place at the
Lebanese universities' chess
competition
- Organized chess workshops
for students

Martial Arts

- Practiced different martial
arts such as Thai Boxing,
Jiu-Jitsu and MMA
- Participated in and won a
MMA competition