Samer Jalaleddine

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EDUCATION

2015 – 2019: Lebanese American University, Byblos, Lebanon

Bachelor's in computer engineering (December 2019)

WORK EXPERIENCE

2019: ReactJS development at Cherpa, Beirut

Cyber Security courses by simulating different scenarios

2017 (2 months): Intern JS programming at Cherpa, Beirut

Developing visualizations/games for hardware components.

2017 (Summer):   Teens Who Code Android Instructor, Beirut

Intermediate Android programming (Fragments, Custom Recycler Views, Multithreading, Handling Network Calls and caching)

TECHNICAL PROJECTS

- Artificial Intelligence
    - Using Genetic Algorithm for optimizing a drone aided VANET
    - Path finding in a partially visible environment (with the help of Genetic Algorithm)
- Web development:
    - JavaScript programming for Cherpa (Phaser.io)
    - ReactJS development (Simulating packet tampering, XSS, REST API functionalities and SQL injection)
    - Student Attendance + Project Submission Website (PHP + Bootstrap)
- Mobile Applications:
    - Audi Rewards (Audi Bank android app for gift collection)
    - Musicana (Music Streaming Android app)
        - Includes accounts, custom user music libraries and add/like features
        - Communicates with backend Server (PHP)
        - Server relies on MySQL
    - Vitals (Android App)
        - Doctor and Patient communication
        - Organization of medical data + security
        - In-app chat feature
    - Be Like Bill (Android app)
    - Time Capsule X (Android app)
    - Lebanese Soundboard (Android app)
    - Lebanese Traffic Ticket (Android app)

- Database
  - MySQL Database (Database for online music streaming application)
  - MongoDB (NoSQL Database for medical data organization)
- Game Development:
  - Prime Game (Java 2D Game)
  - Cyber Dash (Unity 2D Game)
  - Educational games for teens (Phaser.io)
- Developed Mods:
  - Aftermath Mod for Command & Conquer Generals Zero Hour
- Modeling:
  - Maps for Counter Strike Source

SKILLS

- Languages: Fluent in Arabic and English,
- Programming: Java desktop applications, C#, Python, VB.net, Assembly
- Artificial Intelligence: Neural Networks & Genetic Algorithms
- Web development: HTML, PHP, SQL development, JavaScript and Python
- Mobile development: Android development (Java + Kotlin, XML)
- Databases: MySQL, MongoDB and Firebase Realtime Database

ACTIVITIES, AWARDS, INTERESTS

Gave Android programming lectures.

Helped in the TEDxLAU event by developing the android application

2nd place at the United Nations High Commissioner for Refugees (UNHCR) Hackathon

1st Place LAU Math Competition (2013)

1st place at LAU Summer Camp

University Clubs (Robotics)

REFERENCES

Available Upon Request