Nathalie El Ashkar

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EDUCATION

Lebanese American University, Beirut, Lebanon   **Expected Graduation May 2024**
BS in Computer Science   *Recipient of the 100% Merit Scholarship*

Shouf National College, Baakline, Lebanon   Lebanese Baccalaureate, General Science **2021**

RELEVANT COURSEWORK

- Introduction to Object Oriented Programming
- Database Management Systems
- Software Engineering
- Algorithms and Data Structures
- Operating Systems

WORK EXPERIENCE

Cardinal Health WaveMark Solution, Assistant Software Development Engineer in Test, Zalka, Lebanon   **September 2023-Current**

- Developing test cases and automation test scripts to deliver bug-free components.
- Writing and developing detailed test plans for functional and nonfunctional testing
- Debugging and running manual testing to ensure quality, performance, and scalability.
- Experience in using CI-CD pipelines (Jenkins)
- Experience in test automation frameworks and testing tools (Gauge)
- Experience in working in Agile/SCRUM environments.

Cardinal Health WaveMark Solution, Mobile Developer Intern, Zalka, Lebanon   July 2023-August 2023

- Developed complete iOS application called "GatherNEat".
- Learned version control using Git.
- Integrated Firebase for real-time data synchronization, user authentication and database management.
- Embraced agile development techniques.
- Implemented automated UI Testing according to Quality Assurance Workflow.

Integrated Digital Systems, Back-End Web Developer , Beirut, Lebanon   May 2023 – July 2023

- Designed back-end application of Meeting Room Booking System
- Built Database using SQL Server 2014
- Developed Web APIs using .NET Core.

Freelance Web Developer   December 2022-March 2023

- Worked on the front-end of a Home Services Company website using HTML and CSS .
- Created presentations and assisted students in developing home automation systems using wood working, electronics, and other material.

Lebanese American University, Lab Assistant, Beirut, Lebanon   September 2022-January 2023

- Assisted students by answering different coding questions and debugging existing code.

The Makers Hub, Electronics Instructor, Beirut, Lebanon **January 2022-April 2023**
- Conducted training for students about microcontrollers specifically Arduino and coding in C#.
- Implemented different projects and ideas to help students practically apply the theories learned.
- Led 12 training sessions for students at "Kayany Middle School" in Beqaa.

PROJECTS
- LAU, "Oh, Wheelie!", software engineering project implementing agile development workflow techniques, user and software requirements, and basic front end functionalities using HTML, CSS, and JavaScript, 2023
- LAU , Parallelizing a Convolutional Neural Network for Digit Recognition using MPI, OpenMP, and CUDA C, 2023.
- The Makers Hub, "Memory Game" - prompts the player to remember a sequence of blinking LED lights and "World Map Game" - tests the players' knowledge in countries, oceans, and capitals - using Arduino Uno and C#, 2023.
- LAU, "Pet Store" fully implemented database project using SQL and Oracle Database , 2022.
- The Makers Hub, "Automatic Pet Feeder" and "Home Automation System" using Arduino uno and C# language, 2019.

EXTRACURRICULAR ACTIVITIES
- LAU, Balloon Runner in LCPC, 2022.
- Shouf National College, Lifeguard and Swimming Instructor, 2021.

AWARDS
- LAU MUN Diplomacy Award-Representing South Africa in UNHRC, 2019.
- LebNet Wit Fellowship Program, Fellow, 2023.

SKILLS
Programming skills: Swift, Python, Java, C, C#, Arduino, HTML, CSS and JavaScript.
Languages: Arabic (Native), English(Proficient), French(Beginner).