

Work Experience

GreaTeck - Game Web Developer Intern

June 2025 - July 2025

- Developed an endless runner game using **Phaser.js** with core gameplay features.
- Gained experience in **Git**, **debugging**, and leveraging **AI tools** for development.

Education

Lebanese American University

2023–Expected 2026

Bachelor of Science in Computer Science; CGPA: 3.43/4.0

Enrolled on a full merit and leadership scholarship funded by USAID

Projects

- **AI-Powered UAV Decision-Making for Disaster Relief** – Co-authored a research paper published at the CNCC on reinforcement learning–based UAV fleet coordination, improving routing, efficiency, and mission success.
- **School Management System**: Worked with a university team to design an ER diagram, convert it into a relational database schema, populate it with sample data in Oracle DB, and apply normalization to minimize redundancy.
- **Car Dealership Website**: Collaborated with a university team to design a responsive car dealership website, implementing the frontend using HTML, CSS, and JavaScript to ensure a user-friendly interface.
- **Recommendation System**: Developed a machine learning model to predict user preferences and recommend movies based on ratings and likelihood of enjoyment, enhancing user experience and decision-making.
- **Countries Categorization Model**: Developed an unsupervised ML model to cluster countries based on socio-economic and health indicators, grouping them by development and disaster vulnerability.
- **News Clustering Model**: Developed an unsupervised K-Means model to categorize news as true, false, or partially true. Preprocessed text with TF-IDF and evaluated performance using Silhouette Score.

Certificates & Bootcamps

- **The AIEngineers Program**: A program for AI enthusiasts where it offers comprehensive AI and ML courses
- **Web Development Course**: A Udemy course covering both frontend and backend development.
- **42 Piscine** – Selective, intensive 4-week bootcamp focused on C programming, Git, and Shell scripting through project-based, peer-to-peer learning.
- **Training – Ministry of Finance**: Exposure to **network infrastructure and cybersecurity operations** in a real-world governmental environment.
- **Samsung Innovation Campus – Artificial Intelligence**: Completed an intensive AI program covering machine learning, deep learning, computer vision, and natural language processing.

Volunteer Work

- **Tutoring (Lebanese American University)**: Tutored more than five students in Discrete Structures and Object-Oriented Programming courses.
- **Researcher (Life Sculptor)**: Conducted research on diverse topics such as technology, coding, self-development, mental health, and career advancement. Research documents supported engaging workshops on these subjects.

- **Head of Life Coders Club (Life Sculptor):** Led the club of more than 40 members by strategizing initiatives, organizing events, fostering collaborations, and evaluating performance to achieve club objectives.
- **Research Moderator (InnovaThrive):** Reviewed technology-focused research documents to ensure authenticity, objectivity, clarity, data accuracy, and professional language, while proofreading for grammatical precision.

Technologies and Languages

- Languages and Frameworks: Java, Python, C, JavaScript, SQL, Node, Express, React
- Technologies: Linux, Git

Languages

- Arabic (Native)
- English (Proficient)