

## Riad El Zaylaa

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Beirut,  
Lebanon

Dedicated and detail-oriented Computer Science graduate with a strong foundation in software development, database systems, cloud computing, AI, and more. Highly flexible individual, always eager to learn and grow, and ready to contribute to successful environments and develop as a professional.

## EDUCATION

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**High School Diploma**      **Saint Joseph School**, Cornet Chehwan      June 2021

**BS**      **American University of Beirut, Computer Science**, Beirut Lebanon      2021 till 2025  
Notable courses include: Software Engineering, Cloud Computing, Database Systems, Computer Security, Web Development and Design, Algorithms and Data Structures.

## Projects

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### Serverless Car Rental System

<https://karr-rental.s3.eu-west-1.amazonaws.com/index.html>

- Full-stack serverless web app for vehicle rentals using AWS (Lambda, API Gateway, DynamoDB, Cognito, Step Functions, SES, Lex, S3).
- Implemented secure authentication, automated booking workflows, and real-time stock management.
- Email notifications (SES) and an Amazon Lex chatbot for conversational booking.

### Turbo Run

**Procedural Racing game using Unity/C#**

- Built an endless racing environment using procedural content generation with Bezier curve-based track sampling and modular prefab stitching.
- Designed lane-based obstacle spawning algorithms with controlled spacing to ensure fairness and variety.
- Implemented collision-driven health/damage mechanics and optimized gameplay using object pooling for efficient memory usage.

## SKILLS

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- Programming languages such as Python, C++, Java, Javascript, SQL, HTML, CSS, Node.js, C#
- Git, AWS, OpenAI, Microsoft Office
- Interpersonal skills, quick and efficient learner, problem solving and quick thinking, great in team environments, hard-worker, creative thinker, and calm under pressure.
- Excellent English and Arabic, basic French.

## OTHER

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Highly motivated, innovative, passionate about tech, media, fitness, able to think outside the box and work quickly and efficiently with great attention to detail.

