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ZAKARIA MERZOUGUI

Software Engineer

PERSONAL PROJECTS

Portfolio Website: I Built a 4 page-personal website from scratch using HTML, CSS, and JavaScript which contains information about me page, my personal projects page, my resume, and a contact page

Movie Recommender App: I Built a movie recommender app using Python libraries and an API that fetches a database of over 5000+ movies to choose from and recommends the Top 5 movies related to the user's choice

Unity Platformer Game: I built a platformer game on Unity using C# for the game and player mechanics which includes; Jumping, Running, Wall Jumping, Death, etc. I personally designed some of the sprites and created animations for the player and objects.

EMPLOYMENT HISTORY

GROUP LEADER   Jun 2021 - Jul 2021
MELC   *Manchester*

- Led a classroom sized group of elementary school kids and engaged them in activities, fostering teamwork and enhancing engagement.
- Organized daily schedules, improving time management and productivity.
- Resolved conflicts, promoting a harmonious group environment.

PEER TUTOR   Oct 2024 - Present
Quinnipiac Learning Commons   *Hamden*

- Mentored students in preparation for exams and coursework, focusing on foundational concepts and advanced applications to ensure success in rigorous academic settings.
- Provided personalized tutoring in advanced STEM subjects (computer science, calculus, discrete math, physics) and language (Arabic), improving students' academic performance and conceptual understanding.
- Developed effective learning strategies tailored to diverse learning styles, resulting in enhanced student engagement and retention of key concepts across a range of technical subjects.

SKILLS

Team Leadership, Critical Thinking, Software Development, Time Management, Web Development, API Development, Public Speaking, Problem Solving, User Interface, Project Management, Adaptability, Creative Thinking.

EDUCATION

MASTERS   Aug 2023 - May 2027
Quinnipiac University   *Hamden*

- Honors Program and Dean's List with PGPA of 3.88
- Accelerated 3+1 Program Cyber Security (3 year Bachelors Degree program in Computer Science and 1 year Masters in Cyber Security)
- Member of the Chess Club and Muslim Student Association

LANGUAGES

Arabic *(Native)*, Spanish *(Novice)*.

HOBBIES

- I love playing video games and that's what gave me inspiration to become a software engineer
- I love playing football (soccer) as I've played it my whole life. I played in an elite academy for U14 that travelled to compete in England. I also played all throughout High School where we were 2023 CCC state champions