

# MOHAMED WAEL ELTEIR

+20-1022740002    moh\_wael860@hotmail.com    linkedin.com/in/mohamedwelteir    github.com/MohamedWelteir

## Summary

Enthusiastic software engineer with a deep passion for software development and a strong foundation in various programming languages. Equipped with knowledge in the .NET framework for building efficient and scalable applications as well as experienced in crafting clean code for efficient problem-solving.

## Education

**Alexandria University** September 2021 – May 2025  
*Bachelor of Science in Computer Science* GPA: 3.52

**Saint Marc College** May 2007 – August 2021  
*Diploma* GPA: 2.83

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

## Experience

**Upwork** August 2019 – March 2020  
*Software Developer Freelancer* Remote

- Developed several websites for many clients that are being used till today.
- Assisted some of the clients with their existing websites and integrated some new features.
- Explored ways to visualize and enhancing my development with HTML, JavaScript, and CSS.

## Projects

**University Grades Notifier API | .NET** June 2024  
• Developed an API that logs to my university's portal, fetches all grades and sends them in a push notification only if any grade has been revealed.

**Mini Search Engine | Python | GitHub** April 2024  
• Created a basic search engine capable of processing and ranking documents based on relevance metrics such as Cosine-Similarity, Jaccard-Similarity, and others.  
• Implemented Likelihood Models to enhance the engine's responsiveness and accuracy.

**Turing Machine Simulator | C++ | GitHub** October 2023  
• Designed a console-based Turing Machine for my Theory of Computations course that behaves exactly like the actual machine.

## Achievements

**Egyptian Collegiate Programming Contest (ECPC) | 🌐** 2023, 2024  
*Contestant*

- Competed in the prestigious ICPC, enhancing problem-solving skills and algorithmic thinking.
- Twice finalist in regional qualifications contests, solving a wide range of complex algorithmic challenges.

## Technical Skills

**Languages:** C#, Java, C++, GO, Python, JavaScript, TypeScript, Julia

**Technologies/Frameworks:** ASP.NET, Jenkins, Jira, Docker, Git, GitHub, Postman, Express on NodeJS

**Programming Concepts:** Object Oriented Design and Programming, Data Structures, Algorithms

## Volunteer Experience

**HackerRank Campus Club, AUFS** January 2024 – October 2024  
*Head of the Backend track* Alexandria University

- Served as the head and instructor for the back-end track, utilizing the .NET framework to teach and mentor students.
- Led a highly productive team that successfully completed multiple projects and significantly improved post-campus performance.
- Managed the executive board of 5 members, conducting weekly meetings to monitor and drive progress in key areas.
- Directed a chapter of over 20 members, focusing on community service, teamwork, creativity, academic excellence, and mentorship.