

# Omar Tarek

Computer science student at MSA university

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Github :

<https://github.com/omartarek198>

## EDUCATION

### Modern Science and Arts (MSA)- Cairo, Greenwich university-London — BSC

2019 - 2023

About to start my fourth and final year at MSA.

### Queen International School ( QIS ), Cairo — Highschool

2007 - 2019

Finished Primary, elementary and highschool at QIS.

## EXTRACURRICULAR ACTIVITIES

- Lead a team of 47 students during a two week military training.
- Participated in ( and won ) the university chess tournament.
- Participated in CodeForces contests of competitive programming.

## PROJECTS

### Charity Management System — Egyptian Red Crescent

Lead a team of 5 to fully implement a system to manage a charity.

### 2D game in c# — a platformer game

Consists of multiple levels, multiple enemies with different actions and A final boss.

### My neural network library in c# — using my math library for matrix operations

### FlappyBird in python - using a physics engine.

### Snake AI game in c# — using DFS & BFS algorithms

## SKILLS

- Data structures
- Algorithm Analysis & design
- Machine Learning
- Socket programming
- Version control systems ( GIT )

## CODING LANGUAGES

- c# : Excellent
- C++/C : Very good
- Python : Very good
- PHP : Very good
- HTML/CSS/JS : Very good
- Java : Good
- SQL : Good

## Strengths

- Fast learner
- Motivated
- Excellent communicator
- Team player

## LANGUAGES

Arabic : Native

English : Fluent

French & German : Basic

