

Computer Science Teaching Assistant

Amira Ramadan

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SUMMARY

Motivated and knowledgeable Computer Science Teaching Assistant with hands-on experience supporting undergraduate coursework, guiding students through programming concepts, and reinforcing theoretical foundations. Skilled in explaining complex topics clearly, assisting with lab sessions, debugging code, and providing constructive feedback on assignments. Adept at fostering an inclusive and supportive learning environment while collaborating with faculty to enhance course delivery and student success. Strong foundation in computer science principles with proficiency in common programming languages and educational technologies.

EDUCATION

Cairo university

Master, Computer Science

Oct 2025 - study now

Cairo university

Diploma, Computer Science

Oct 2023 – May 2025

New Cairo Academy

Bachelor's, Computer Science and information system (CIS).

GPA (3.86) and Graduation project (Excellent 97%)

Aug 2018 - May 2022

EXPERIENCE

New Cairo Academy [New Cairo]

Feb 2023 - Present

Teaching Assistant

I teach many courses related to computer science for example (C++ programming language, Data structures, Databases, Software engineering, Data analysis, Web App development, Mobile App development, Compiler ,Network)

Multisolution company [AL Mohandessin]

Jun 2022 - Feb 2023

Web developer

I participated with the team in developing the front-end, and used (HTML5, CSS3, and JavaScript and React.js).

Ischool company [Nasr City]

Jun 2020 - Aug2025

Computer Science Instructor

I teach many courses related to computer science student from 6-18 years old for example (game development with Unity and Godot, web development, mobile app development, chatbot development with data encryption, Data science and analysis with python, Machine learning and deep learning)

Courses

- Angular8
- JavaScript/Typescript
- ECMASCRIPT 6
- HTML5/CSS3/Bootstrap 5
- React.js
- MySQL
- SQL Server
- MVC
- PHP
- ASP.net
- Object-oriented programming
- Design pattern
- C++ / Python / GD script/C#
- GODOT Game Engine
- Git/GitHub
- UI/UX... Figma

SKILLS

Debugging & Code Review

Software Development Practices

Teaching & Support Skills

Tutoring & Academic Support

Lab Instruction & Supervision

Explaining Complex Technical Concepts

Assignment & Project Assistance

Grading & Providing Constructive Feedback

Student Mentoring & Guidance

Classroom Management

Curriculum/Material Preparation

Communication & Presentation Skills

Problem-Solving & Critical Thinking

Patience, Approachability, and Adaptability

Tools & Technologies

IDEs (VS Code, PyCharm, Eclipse, etc.)

Learning Management Systems (Canvas, Moodle, Blackboard)

Online Teaching Tools (Zoom, Google Workspace, MS Teams)