



Abdullah M. Amin Abdullah

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EDUCATION

American University of Sharjah (AUS), Sharjah (2021 - 2024)
Bachelor of Science in Computer Science
Minor in Data Science
GPA: 3.7/4.0 | Honors: Magna Cum Laude

PERSONAL PROJECTS (abdullah.xyz)

- Software 3D renderer that can draw textured obj files, written from scratch
- Game engine written in C that can be scripted in lua
- Raytracer that can render scenes described in a lua file

EXPERIENCE

Lab Teaching Assistant (American University of Sharjah, Spring 2023)
Assisted the lab instructor for the data structures & algorithms class in order to reinforce the teaching material for students.

COURSE PROJECTS

- COE 440-441 **Senior Design**: Alongside a team of 4, developed a genetic algorithm approach to optimize locations of EV charging stations in UAE based on proximity to densely populated areas.
- CMP 49410 **AI robotics**: Alongside a team of 4, created a robot that can perform efficient path finding and obstacle avoidance in Webots simulator.

SKILLS

Programming Languages:

- C/C++, Lua (Advanced)
- Python (Intermediate)
- SQL, HTML, PHP, Java (Basic)

Others:

- Git Version Control System
- Linux bash commands
- 3D graphics programming
- Graphics pipeline
- Games programming
- Object Oriented Programming
- Multi-threaded programming
- Godot game engine
- Basic Unity engine knowledge

LANGUAGES

- English, Kurdish (Fluent)
- Arabic (Intermediate)

EXTRACURRICULAR ACTIVITIES

Spring 2023 Achieved 4th place in the AUS local programming competition

Spring 2023 Won the Open Source Club's CTF competition in AUS

Fall 2022 Achieved 5th place in the Gulf Programming Contest held in Oman

Fall 2022 Achieved 2nd place in the programming competition held in Abu Dhabi University

Spring 2022 Achieved 3rd place in the AUS local programming competition

ACHIEVEMENTS

2022 - Fall 2023 Placed on the Chancellor's List for 2 years

2021 - Fall 2023 Placed on the Dean's List for 5 consecutive semesters

2020 - 2024 Achieved the maximum academic excellence scholarship