
AYMAN MOHAMED REDA

COMPUTER ENGINEERING FRESH
GRADUATE

ABOUT

23m.

Very fond of learning and covering various technological topics.

Personally enjoy Embedded systems and general programming.

Am a geek and slightly a nerd.

Currently interested in applying to internships and getting myself some work experience.

Also a hobbyist.

Feel free to contact me.

EDUCATION

2018 – Just Graduated (2023)

2005 – 2018 Elias Private
Language School, Helwan.

Computer Engineering graduate at
Cairo University.

CONTACT

30 Mostafa Fahmy st. with Khesro
st., Helwan, Cairo, Egypt.

+20 1225838009

[ayman.mohamed00@eng-
st.cu.edu.eg](mailto:ayman.mohamed00@eng-st.cu.edu.eg)

[aymanreda56 \(github.com\)](https://github.com/aymanreda56)

[Ayman Reda | LinkedIn](#)

ASPIRATIONS

- CyberSecurity (Penetration testing, Netsec, Reverse Engineering)
- Backend and Testing

INTERNSHIPS AND TRAINING

- [Artificial Intelligence training at ITIDA](#)
- Software Development in python at ITI
- Vulnerabilities 1001 & 1002 at OST2.fyi

SKILLS

- 3D modelling
- Creativity
- Programming
- Problem Solving
- Bash scripting
- Team Leadership
- Multi-Tasking
- Flexibility
- Delayed Gratification
- Presentation and Speech Skills
- Self-Learning

PROJECTS

- [Guardista](#), Software Static Analyzer that analyzes binary executables for software vulnerabilities. [1]
- [Covid](#) Stance Analysis, NLP
- [CRUST](#) programming Language
- Google's Play Store analysis using [Pyspark](#)
- [Don't-Bully](#), A data-science study on school bullying
- [Classical-ML](#), Implementation of famous ML models FROM SCRATCH.
- [E2E Software testing](#) and stress testing for a Tumblr mock website [Tumblr4U](#)
- Contributed in developing [Tumblr4U](#)
- [Pure-Engine](#), a game engine implementation in CPP and implementation of IceTower-like Game using OpenGL
- [Glassifier](#); Identification of the Gender of a writer based on his offline handwriting using HINGE, in python.
- [Line Follower](#) and Maze Solver robot from scratch (winning the third place and receiving two certificates [1](#) [2](#)).
- Implementation of a complete [Search Engine](#) (Indexer/crawler architecture) using Java.
- Lagrangian Interpolation in development of [Mathematinu](#)

KNOWN PROGRAMMING LANGUAGES

- VHDL
- Verilog
- C++
- C#
- C
- Embedded C
- Powershell
- Java
- Python
- x86 Assembly
- HTML
- JavaScript
- Weak Css

CURRICULAR EXPERIENCE

- E2E testing (Cypress & Appium)
- Ghidra, IDA & BinDiff
- ROS
- Docker
- NodeJS
- Software Static analysis / Reverse Engineering
- ML & DL using Keras and Tensorflow
- OOP, DS & Algorithms
- Computer Vision
- Technical Writing
- Clean Code
- NLP
- Django
- Robotics

- Markdown
- Software Optimization
- Windows Application & Forms development
- Dealing with relational and NOSQL DBMSs
- Multi-Threading in C, C++, Java and Python.
- General Software development
- Game Development
- Powershell Scripting
- Linux and its many distributions
- VMs
- RTOS
- SQL
- Cryptography
- x86 Assembly
- Multiple IDEs (really a lot)
- Soft Skills and Managerial Skills
- Mathematical Skills
- Many more

PROFESSIONAL EXPERIENCE

Cyber Security instructor for the summer training held by faculty of Computer Engineering, Cairo University (July – October 2023)

EXTRA-CURRICULAR ACTIVITIES

- Author and Writer at CUFE Club (AKA CUFE Magazine)
- Former Professional Cyclist at the Egyptian National Cycling Team.
- Head of Sessions' management team at Positive ions (a non-profit student activity)