

Adel Refat

Final Year
Biomedical Engineer
at Cairo University
GPA:3.18

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Links

Github:// [adel-elmala](#)
LinkedIn:// [adel-elmala](#)

Skills

OS
GNU/Linux
PROGRAMMING PARADIGMS
OOP , Functional Programming
LANGUAGES
Python, Ruby , OCaml
OTHERS
Markdown, Git, \LaTeX

Coursework

Data Structures
Algorithm
DataBase management

Education

2016-2021
CAIRO UNIVERSITY
Biomedical Engineering
GPA : 3.18

2013-2016
HIGH SCHOOL
Percentage: 97.2%

Projects

- 2020 **16-Bit von neumann architecture Assembler** [Repo](#)
Trasnlates from Hack's assembly instuctions to hack's 16-bit Machine language
Python
- 2020 **16-Bit von neumann architecture Virtual Machine translator** [Repo](#)
trasnlates from VM-Language to HACK's assembly language.
Python
- 2020 **Enigma Simulator** [Repo](#)
Software replica of the Enigma encryption machine used by the German military in World War II
OCaml
- 2020 **Simple Language Interpreter** [Repo](#)
Racket
- 2020 **JPEG decoding Stepper** [Repo](#)
Shows the different stages of Decoding JPEG Files
Python
- 2020 **Text adventure game** [Repo](#)
Simple Text-based Game Engine that read an adventure Json File and starts the game
OCaml

[More Projects](#)

Certificates and MOOCS

- 2020-NOW **Machine Learning** [Certificate](#)
Machine Learning Basics (Supervised/Unsupervised learning - Neural Networks ...)
- 2020-NOW **Programming Languages part B** [Certificate](#)
Introduction to the basic concepts of programming languages, with a strong emphasis on functional programming using Racket (Dynamic type system language).
- 2020-NOW **Programming Languages part C** [Certificate](#)
Introduction to the basic concepts of programming languages, with a strong emphasis on OOP programming using Ruby (Dynamic type system language).
- 2020-NOW **Build a Modern Computer from First Principles - Part 1** [Certificate](#)
Build a modern computer system, from the ground up from constructing elementary logic gates all the way through creating a fully functioning general purpose computer).

[More MOOCS](#)