Adel Refat

Final Year
Biomedical Engineer
at Cairo University
GPA:3.18

Cairo, Egypt
Mob.: +20-1090332213
Email.:adel.elmala2020@gmail.com
Web.:https://adel-elmala.github.io

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 Interputer** **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