Adel Refat

Fresh graduate
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Links

Github:// **adel-elmala**
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Skills

OS
GNU/Linux

LANGUAGES
C/C++, Python

OTHERS
Markdown, Git, LaTeX,
Pthreads, Intel Intrinsics, GCC
image processing , OpenGL ,
GNU Make

Education

2016-2021
CAIRO UNIVERSITY
Biomedical Engineering
Very Good

Projects

2021 **Neural Model Optimization Tool** **Repo**

An automated optimization tool to help save time and resources in calibrating neural computational models to experimental measurements

Python

2021 **small image processing library** **Repo**

Optimized mini-img-processing libary implemented from scratch using C, Pthreads, And Intel-intrinsics.

C

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 **JPEG decoding Stepper** **Repo**

Shows the different stages of Decoding JPEG Files

Python

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