

Adel Refat

Fresh graduate
Biomedical Engineer
at Cairo University

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

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 library 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](#)