

Muhammed ElRakabawi

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SKILLS

PROGRAMMING

Over 5000 lines:

JavaScript • Vue/Vuex • Perl/BioPerl • C++ • HTML/CSS3/SASS • \LaTeX

Over 1000 lines:

Web3JS • Go Lang • Python • Matlab • C • R Lang

Frameworks:

PerlDancer • Bootstrap • Bulma • Vuetify • Electron Familiar:

BioPython • IPython • Angular • Shell

ABSTRACT

Knowledge:

Distributed Systems • Behavioural Cryptoeconomics • Neural Networks • Applied Cryptography • Bio-Scripting • User-Interface Design • Web Development technologies • Git

Design Patterns:

MVC • MVVM

EDUCATION

MSA UNIVERSITY

B.SC BIOTECHNOLOGY

Expected Dec 2020

AGYAL INT. SCHOOL

Grad. May 2016

LINKS

Github:// [elrakabawi](#)

EthResearch:// [elrakabawi](#)

LinkedIn:// [elrakabawi](#)

Researchgate:// [Muhammed S.](#)

[ElRakabawi](#)

EXPERIENCE

LAMARKAZ | FRONT-END UI DEVELOPER + WEB3 ENGINEER

Sept 2017 – Present | Full-time

BEELVUS | FRONT-END UI/UX DEVELOPER

June 2014 – Sep 2014 | Mountain View, CA

RESEARCH

LAMARKAZ RESEARCH | UXD/USABILITY RESEARCHER

Sept 2017 – Present | Cairo, Egypt

Worked with **Nour Haridy** and **Ihab McShea** to create a user-friendly decentralized judicial system on the blockchain for dispute resolution between decentralized applications users.

Whitepaper available here.

NILE UNIVERSITY BIOINFORMATICS CENTER | UNDERGRADUATE RESEARCH INTERN

Apr 2018 – Aug 2018 | Giza, Egypt

Worked with Dr. **Mohamed ElHadidi** to create a machine learning species level 16S rRNA taxonomic classifier for Next Generation Sequencers.

PROJECTS/HACKS

OCTOPETH | FRONT-END / WEB3 ENGINEER

DESKTOP APP | ELECTRON, VUE/VUETIFY AND WEB3

A Decentralized Ethereum dApp Store.

Github Repo.

GENTEIN | SOLE DEVELOPER

CLI AND WEB APP | Perl/Perl Dancer

An open source DNA/RNA Translator and Open-Reading frame finder written in Perl/BioPerl and built on PerlDancerfor Web.

Github Repo.

MENDROSS | SOLE DEVELOPER

CLI AND WEB APP | Perl/Perl Dancer

An open source Mendelian Crossing generator with punnett squares and chi-square analysis functionality written in Perl/BioPerl and built on PerlDancerfor Web.

Github Repo.

AWARDS

2018	25 Under 25	Startup Scene
2016	Top 10	[Finalist] Egyptian Brain Bee Competition
2015	Bronze Medalist	Egyptian Olympiads in Egypt
2015	National Finalist	International Science and Engineering Fair

TRAINING

2018	CURP	Animal Cell and Tissue Culture
2017	CURP	Gene expression analysis using real-time PCR technique
2014	AAST/MCIT	Competitive programming in C++
2014	AAST/MCIT	Algorithms and Data structures in C++