

# Muhammed Sayed ElRakabawi

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## SKILLS

### PROGRAMMING

Over 5000 lines:

Perl/BioPerl • JavaScript • C++  
• CSS • Vue/Vuex •  $\LaTeX$

Over 1000 lines:

Python • Matlab • C • R Lang

Frameworks:

• PerlDancer • Bootstrap • Vuetify

Familiar:

BioPython • IPython • Angular • Shell

### ABSTRACT

Knowledge:

Neural Networks • Git • Cryptography  
• Bio-Scripting • User-Interface Design •

Web Development technologies

Design Patterns:

MVC • MVVM

## EDUCATION

### MSA UNIVERSITY

B.Sc BIOTECHNOLOGY

Expected Dec 2020

### AGYAL INT. SCHOOL

Grad. May 2016

## LINKS

Github:// [elrakabawi](#)

LinkedIn:// [elrakabawi](#)

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

## EXPERIENCE

### LAMARKAZ | FRONT-END UI/UX DEVELOPER + UXD RESEARCHER

Sept 2017 – Present | Full-time

- Designed UI mock-ups and wire-frames for several interfaces.
- Implemented Dcourt Jury Portal UI with Vue/Vuex/Vuetify.
- Worked on UXD for Dcourt ecosystem components.

### BEEVLUS | FRONT-END UI/UX DEVELOPER

May 2014 – Feb 2015 | Remote

- Designed mock-ups and wire-frames for entrepreneurial social portal.
- Implemented the MVP of the portal with Bootstrap and jQuery.
- Performed performance auditing and UXD best practices.

## RESEARCH

### NILE UNIVERSITY | UNDERGRAD RESEARCH INTERN

Apr 2018 – Present | Giza, Egypt

Works with Dr. Mohamed ElHadidi to create a machine learning species level taxonomic classifier.

### LAMARKAZ RESEARCH | UXD RESEARCHER

Sept 2017 – Present | Giza, Egypt

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

Whitepaper available [here](#).

## PROJECTS/HACKS

### GENTEIN | 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 PerlDancer for Web.

Github Repo.

### MENDROSS | 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 PerlDancer for Web.

Github Repo.

## AWARDS

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	Cell and Tissue culture
2017	CURP	Gene expression analysis using real-time PCR technique
2014	Tech Planet	Competitive programming in C++
2014	Tech Planet	Algorithms and Data structures in C++
2009	Elementary School	Oracle Database