Islam Samir Mohamed

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Education

Study at faculty of computers and information Cairo University.
4th year

Computer Science Major Department
GPA : 3.02 (Very Good)

Experience

Jul 2018 - Aug 2018
Internship as software developer at tactful.

Jan 2017 – Apr 2018
Information Technology head at EngBreak.

Jul 2016 – Apr 2017
Information Technology member at EngBreak.

Jun 2015 – Jul 2016
Member at Life Makers – charity – .

Courses

Linux administration workshop with "IEEE" -student activity at faculty of Engineering Cairo university- .

Web designing workshop with "EngBreak" -student activity at faculty of Engineering Cairo university- .

Links

Codepen
Github
Linkedin

StackOverflow

Skills

Programming Languages
-JavaScript
-C/C++
-Java
-Python
-Julia (familiar)
-php (familiar)
-prolog (familiar)

Frameworks
-Angular4 (familiar)
-Spring boot (familiar)
-Selenium (java – familiar)

Programming Skills
-Problem solving
-Algorithms
-OOP
-Data structures
-Design patterns
-Parallel programming with MPIH and openMP (familiar)
-Software Engineering
-Restful APIs
-Web Design
-Web Development

Other
-HTML
-CSS
-SQL
-GIT

Projects

face recognition *– python keras, TensorFlow, scikit-learn*

We prepared a small dataset for team members photos then we make a CNN and neural network - to compare between the result – one with keras and TensorFlow and another with scikit-learn
Then we made an app that take an image for one of us and tell who is he.

hand gesture recognition *– python, OpenCV, Machine Learning*

I create script that take an image and subtract it from a saved background to detect the change – the hand – and saved some pictures for some positions of hand – like 3 fingers up or 1 finger up - then I used this pictures to train a model to classify the hand state to one of these positions.

mini c compiler *– Java*

We detect syntax and semantics errors and build parser tree with recursive descent parser.

online market *– web application with java, Spring Boot and h2, database*

It's like online mall where sellers can register their stores and goods, buyer will register to buy from one of stores.
After any operation buyer and seller can rate each other.

OCR *– MATLAB, Machine Learning*

Program that take a binary image with a hand written digit and the program will identify it.

cinema booking *" without GUI " – C++*

We made an app to book your seats to learn basics of programming by printing on the console seats all seats with their stats – I get it from a file – and make user choose seats he wants.

Text based game *– C++*

We made a small text-based game to learn the concepts of OOP and polymorphism.
there are number of rooms some of them contain weapons and monsters
player choose a room to go, if he found a monster and he has the right weapon to kill it, monster will die otherwise the player will die
any number of players are allowed.

Linux terminal *– Java*

We made a java app to simulate a Linux terminal on windows when you run the app you open a java terminal then you write some Linux commands.

Restaurant simulator *– java multithreading*

You define number of threads, tables and number of customers and their arrival time and how long they will stay.
Threads will try to access the tables as customers come independently and the app simulate this with threads.