HAZEM NOMER

impulselabs2012@gmail.com
ha2emnomer.github.io
(+20) 01000967158

ha2emnomer **@GitHub**

ha2emnomer **@Facebook**

ha2emnomer **@LinkedIn**

I love to consider myself a Computer Scientist and a researcher. I started programming since I was 10 years old in Visual Basic, my early projects where music players and web browsers. Later I moved to web design in HTML and CSS. Since my High School days (2010), I have been interested in Computer Science and Mathematics. Currently, I am interested in deep learning and recurrent neural networks.

EDUCATION

Faculty of Science – Alexandria University

Bachelor of Science (Computer Science and Statistics)   (2012-2015)

- CGPA: 3.03 (Very Good)
- Graduation Project: Adaptive user interfaces (Java and Android)   Grade: A
  Used Recurrent Neural Networks (RNNs) to adapt mobile UIs to user needs.

Currently pursing MSc. In Computer Science   (2015-Present)

PROJECTS

- **Stor.ion: CRM software   PHP-MYSQL (June 2013- Feb 2014)**
  A CRM software (locally hosted) manage inventory, bills, customers, etc…
- **3-SAT Solver   PHP   (Dec 2013)**
  A brute force algorithm for solving 3-SAT problem
- **Address Book   PHP-MYSQL (April 2013)**
  A simple address book (project for a Structures of Programming Languages)
- **Breast Cancer classifier   C#   (June 2014)**
  A statistical classifier based on a concept I developed called Social based computation
- **Self-organized map   MATLAB   (April 2013)**
  SOM implemented in MATLAB

- **Multiple Linear Regression**   MATLAB   (April 2014)
- **Image Compression using wavelets**   MATLAB   (April 2014)
- **Word Sense Disambiguation (C#)**   MATLAB   (June 2014)
- **Fibonacci Sequence Graphics**   OpenGL   (Dec 2013)
- **Mars Scout**   Unity 3D (C#) (March 2015)

  Developer of a 3D game simulates life on Mars Lava tubes. Won in NASA SPACE APSS hackathon – Human Category

- # GraLib   Java   (May 2015)

  A simple graph library in java, implements basic graph algorithms (e.g. BFS, DFS, etc...)

- # RNNS & LSTM   Python   (June 2015- Present)

  Using recurrent neural networks and long-short term memory in different applications as natural language processing, recommendation engines and cryptography (In progress)

ACADEMIC

I wrote a paper titled: **A semantic web parallel layer model**, submitted in October 2012 (rejected)

Interests: machine learning, neural networks, semantic web, deep learning, natural language processing, recurrent neural networks, intelligent user interfaces, algorithms and complexity.

ARTICLES

I write articles about artificial intelligence hosted on my [blog](#)

LANGUGES

- I coded in C, C#, PHP, Java, Python.
- I used HTML5, CSS3, JavaScript, MYSQL, XML,RDF.
- I learned: Ruby.
- Familiar with: LIUNX System administration.

AWARDS

 NASA Space Apps Local winner in the Human challenge "April 2015"

VOULNTEER WORK

IEEE Alexandria Student Branch Website committee volunteer (January 2015 – Present)

Technical Committee Head at **Robabkia Team** (March 2015 – October 2015)

I taught a 5-days workshop "Web development" at **Egyptian Syndicate of Scientific Professions – Alexandria** (March 2014)

IEEE Alexandria Student Branch **ITW '15 Conference** Presenter.