Samy Shihata

samy.s.shihata@gmail.com

EDUCATION

THE GERMAN UNIVERSITY IN CAIRO

BSc in Computer Science and Engineering
Expected July 2015 | Cairo, Egypt
Conc. in Computer Science
Faculty of Media Engineering and Technology
Highest Honors (All Semesters)
Second top ranked student (class 2015)
Cum. GPA: 0.89 /0.7

EL NASR BOYS SCHOOL

Grad. May 2010 | Alexandria, Egypt

LINKS

Github:// **sshihata**
Linkedin:// **samy-saad**
Quora:// **Samy-Saad**

COURSEWORK

CURRENT (SENIOR YEAR)

Knowledge Representation and Reasoning
Artificial Intelligence
Machine Learning
Compilers + Practicum

UNDERGRADUATE

Theory Of Computation
Analysis and Design of Algorithms
Functional Programming
Declarative Programming
Operating Systems
Computer Graphics + Practicum
Computer Vision
Software Engineering

SKILLS

PROGRAMMING

Over 5000 lines:
C • C++ • Java • C#
Matlab • Rails
CSS • HTML • Javascript
Over 1000 lines:
Prolog • Python • Visual Basic
SQL • Verilog • Django
Familiar:
CHR • Haskel • Lisp • LaTeX

DEVELOPEMENT

Agile • Git • Svn • linux

EXPERIENCE

AUGSBURG UNIVERSITY | Software Engineering Intern

June 2014 – July 2014 | Augsburg, Germany

- Added EEG classification to the SSI Framework.
- Designed and developed EEG classifier from scratch

INTEL EGYPT | Software Engineering Intern

August 2013 – September 2014 | Cairo, Egypt

- Text Sentimental Analysis using Machine Learning.

THE GERMAN UNIVERSITY IN CAIRO | Web Developement Intern

January 2013 – March 2013 | Cairo, Egypt

- Part of a team that created an introductory website to the university.
- Project is currently in beta testing.

EEG CONTROLLED ARDUINO ROBOT | Personal Project

January 2013 – March 2013 | Cairo, Egypt

- Part of a small team that used a NeuroSky headset to control a small arduino robot.
- Was repsonsible for applying machine learning over the captured EEG singal.

BACHELOR THESIS

EMOTION RECOGNITION: SUPERVISED CLASSIFICATION OF EEG SIGNALS

Supervised by **Prof. Dr. Elizabith André** while working on **AuBT**, a Matlab toolbox for analysing physiological signals. I was tasked with adding support for EEG classificaion, starting with signal parsing and feature extraction. I also implemented EEG-specific classifiers. After validation of results, I ported the code from Matlab to C++ for integration into the SSI framework.

AWARDS

2013 The German University in Cairo Full Semester Scholarship
2013 Academic Excellence Award
2011 The German University in Cairo Partial Semester Scholarship
2011 Academic Excellence Award
2010 The German University in Cairo Partial Scholarship

SOCIETIES

2014 The GUC Artificial Intelligence Research Group

LANGUAGES

English Fluent
Arabic Mother tongue
German Basic