

Assem Sadek

assemamrsadek@gmail.com | +201021533253

EDUCATION

CAIRO UNIVERSITY

BS IN COMPUTER ENGINEERING
Expected June 2018 | Cairo, Egypt
Faculty of Engineering
Dean's List (All Semesters)
Cum. GPA: 3.68 / 4.0

COLLEGE DE LA SALLE

BAC FRANÇAIS FROM ACADÉMIE LYON
Grad. June 2013 | Cairo, Egypt

LINKS

Github:// [assemadek](#)
LinkedIn:// [assemadek](#)
Twitter:// [@asemasadek](#)
Quora:// [Assem-Sadek-1](#)

COURSEWORK

INDEPENDENT

Coursera | Machine Learning
Coursera | Neural Networks for Machine Learning
Stanford | Convolution Neural Networks for Visual Recognition

UNDERGRADUATE

Algorithms
Image Processing and Computer Vision
Operating Systems
Computer Graphics
Databases

SKILLS

PROGRAMMING

Over 5000 lines:
• Python • C++ • C • Matlab
Over 1000 lines:
• R • VHDL • Verilog • Assembly • Javascript
Familiar:
• \LaTeX • SQL • HTML

TOOLS

• Visual Studio • Jupyter • Rstudio
• Linux • Git

LANGUAGES

• Arabic • French • English • Spanish

EXPERIENCE

VALEO | SOFTWARE ENGINEER INTERN

June 2017 – Sept. 2017 | Cairo, Egypt

- Using Java and Eclipse Plugins Development, Implemented new features in the Standard Platform Tool for Interior Switches & Smart Control Team..

MENTOR GRAPHICS | SOFTWARE ENGINEER INTERN

June 2016 – Aug. 2016 | Cairo, Egypt

- Used python and QT technology to develop a full GUI testing library for a FPGA debugging product; Certus Implementor/Analyzer.
- Run 20 test cases using the library on the regression test environment of Mentor Graphics.

EMC² | SERVICES PROPOSAL CONSULTANT INTERN

Aug. 2015 – Sept. 2015 | Cairo, Egypt

- Prepared and presented several technical presentations about EMC² products and technologies.
- Attended technical sessions, and visited EMC² Lab and Data Center.

BELTONE FINANCIAL HOLDING | IT INTERN

June 2015 – Aug. 2015 | Cairo, Egypt

- Using C++, started a data feed project with Beltone Brokerage that connects to the API of the Egyptian stock market using its SDK (EGX SDK).

RELEVANT PROJECTS

US ELECTIONS PREDICTION | MACHINE LEARNING

Dec. 2016 | Cairo, Egypt

- Using R and GraphLab, implemented several models (logistic regression, Decision Trees, Random Forest) to predict the US Elections.

IMAGE STYLE TRANSFER | MACHINE LEARNING

Apr. 2017 | Cairo, Egypt

- Implemented neural style transfer on images using deep learning techniques (ConvNet) on TensorFlow.
- Using PyQt to implemented a simple GUI program to adjust the required percentage of the style.

ADVANCE | WEB DEVELOPMENT

Dec. 2016 | Cairo, Egypt

- Built a website called "Advance" using JavaScript (NodeJS and AngularJS), HTML, Bootstrap and MySQL hosted on Microsoft Azure that offers learning paths for self learners.

EXTRACURRICULAR

COLLEGE DE LA MERE DE DIEU | HIGH SCHOOL TEACHER

Feb. 2016 - Present | Cairo, Egypt

- Physics & Chemistry Teacher in Bac Français Department.

CAIRO UNIVERSITY | CLASS REPRESENTATIVE

Sept. 2014 - June 2018 | Cairo, Egypt

- Class representative for Computer Engineering Department.