

Assem Sadek

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EDUCATION

CAIRO UNIVERSITY

BS IN COMPUTER ENGINEERING
Expected June 2018 | Cairo, Egypt
Dean's List (All Semesters)
50% scholarship (All Semesters)
Cum. GPA: 3.68 / 4.0

COLLEGE DE LA SALLE

FRENCH BACCALAUREATE FROM ACADEMIE 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

Big Data Analytics + practicum
Algorithms & Data Structures
Image Processing & Computer Vision + practicum
OS + practicum
Computer Graphics + practicum
Databases + practicum

SKILLS

PROGRAMMING

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

TOOLS

• Visual Studio • Jupyter • Rstudio
• Linux • Git • Hadoop • \LaTeX

LANGUAGES

• French • English • Spanish • Arabic

EXPERIENCE

VALEO | SOFTWARE ENGINEER INTERN

June 2017 – Sept. 2017 | Cairo, Egypt
Used Java to develop in a tool that generates standard template C files for Embedded Systems projects. The features added are related to the creation of any new project and the generation of the C files related to hardware interface with the microcontrollers.

MENTOR GRAPHICS | SOFTWARE ENGINEER INTERN

June 2016 – Aug. 2016 | Cairo, Egypt
Used python and PyQt to develop a full library that automate the interface with Mentor Graphics's Certus Implementor/Analyzer. The library is currently used for automate the GUI testing in +100 test cases.

EMC² | SERVICES PROPOSAL CONSULTANT INTERN

Aug. 2015 – Sept. 2015 | Cairo, Egypt
Provided training for Service Quoting Center members by giving technical presentations about EMC² products and technologies.

BELTONE FINANCIAL HOLDING | IT INTERN

June 2015 – Aug. 2015 | Cairo, Egypt
Used C++, to start with Beltone Brokerage, a data feed project 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
Used R and GraphLab to implement several models (Logistic Regression, Decision Trees and Random Forest) to predict the US Elections using Online Dataset.

IMAGE STYLE TRANSFER | MACHINE LEARNING

Apr. 2017 | Cairo, Egypt
Implemented neural style transfer on images using deep learning techniques (ConvNet) on TensorFlow. Used PyQt to implement a simple GUI program, to make the user adjusts the required percentage of the style effect on the original image.

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 the French Baccalaureate Department.

CAIRO UNIVERSITY | CLASS REPRESENTATIVE

Sept. 2014 - Expected June 2018 | Cairo, Egypt
Elected class representative of the Computer Engineering Department for 4 consecutive years.