

EMAD TAKLA

Montréal, QC
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<https://ca.linkedin.com/in/etakla>

PROFESSIONAL SUMMARY

Computer Engineer bringing more than 6 years of experience in research and development. Known for high quality work and quickly mastering new technologies.

SKILLS

Programming Languages:	C, C++, Java, Python, R, SQL, HTML, CSS, Java Script
Frameworks and libraries:	Pandas, Numpy, ggplot, matplotlib, sklearn, MongoDB, D3.js
Concepts:	Real Time Systems, Machine Learning, Statistical Analysis, Data Wrangling, NoSQL
Other:	Git, Trilingual

DATA SCIENCE PORTFOLIO

Full portfolio at <http://www.emadtakla.com/projects.html>

- **Data Visualization:** Explore World's Emissions <https://git.io/vXfmY>
 - Designed an exploratory visualization to help viewers explore the world's greenhouse gas emissions
- **Machine Learning:** Detect Fraud in Enron Data <https://git.io/vXflc>
 - Applied machine learning to identify people involved in the fraud using their email and financial data
- **Statistical Analysis:** Investigate a Dataset <https://git.io/vXfft>
 - Performed statistical analysis over the Titanic passengers dataset to determine factors of survival

WORK HISTORY

10/2007 to 12/2008 **Embedded Software Developer**

Valeo – Giza, Egypt

- Worked on a multi-site team, developing the next generation engine management system.
- Duties included design and execution of test cases and peer reviewing my colleagues

01/2010 to 06/2013 **Senior R&D Engineer**

Renaissance for Technological Development – Cairo, Egypt

- Worked over developing a home automation product from scratch.
- Duties included requirement gathering, system design, code development, validation and verification.

01/2014 to 10/2015 **Test Engineer**

Rockwell Automation – Brossard, Quebec

- Worked over a world leading product in industrial automation.
- Duties included design and execution of test cases and peer reviewing my colleagues

EDUCATION

2005 **Bachelor of Science: Electrical Engineering**
University of the District of Columbia - Washington DC

2006 **Bachelor of Science: Computer Engineering**
Modern Academy for Engineering and Technology - Cairo, Egypt

2007 **Graduate Diploma: Embedded Systems**
Embedded Systems Graduate Diploma - Giza, Egypt

2016 **Data Analyst Nanodegree: Data Science**
Udacity- Online

AFFILIATIONS

- Ordre des Ingénieurs du Québec (OIQ), Junior Engineer
- Mensa Canada