

Mostafa S. IBRAHIM

PERSONAL DATA

PLACE AND DATE OF BIRTH: Cairo, Egypt | 1987
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LINKS: [Website](#) | [Linked](#) | [Github](#) | [Google Scholar](#) | [Quora](#) | [Ask](#)

EDUCATION

2015-Present Ph.D. in COMPUTER SCIENCE, **Simon Fraser University**, Canada
SUPERVISOR Prof [Greg Mori](#) - **Computer Vision** Field
Working in Human Activity Recognition area (e.g. sports analysis)
GPA: 3.92/4 - Expected Graduation Date: Dec 2018 | [My Page](#)

2010-2012 M.Sc. in COMPUTER SCIENCE, **Cairo University**, Egypt
SUPERVISOR: Prof [Amr Badr](#), **Computer Vision** Field
Working in Image Object Detection: Object Proposals Approach | [Paper](#)

2004-2008 Hon. B.Sc. in COMPUTER SCIENCE, **Cairo University**, Egypt
GPA: 3.83/4 (3rd on class)
Graduation Project: Programming Online Judge, *Using Java, JSF Framework*
Internship: IBM Egypt, Summer 2007, Employees Evaluation System

WORK EXPERIENCE

May 2016-Aug 2016	<p>Java Software Engineer Intern at GOOGLE, USA</p> <p>Worked in the photos team: investigating a feature for the photos app</p> <p>Designed, developed and tested the feature internally</p> <p>My Evaluation was very positive: very productive and needed minimal supervision</p> <p>Google offered another internship without interviewing process</p>
Aug 2014-Apr 2016	<p>C++ Senior Vision Engineer at HERUOLABS, Germany</p> <p>Worked remotely: full time for 5 months, then 40% part time during PhD</p> <p>Developed vision modules in detection, object proposals and tracking</p> <p>Developed tools to facilitate models training</p> <p>Developed a gateway to receive vision queries and process them</p> <p>Research investigations in some private ideas</p>
Jul 2011-Jul 2014	<p>C++ Software Engineer at NTP, Egypt</p> <p>Worked in a data storage management software named NTP QFS</p> <p>Team was maintaining Disk Quota Policies to limit user consumption</p> <p>Customizing the policies to meet the specific needs of your individual users</p> <p>Managing file data use across: the enterprise, multiple platforms, storage types</p>
Jun 2010-Mar 2011	<p>Research Assistant at MICROSOFT, Egypt</p> <p>Computer Vision Field - Semantic Image Segmentation problem</p> <p>Contribution: Potential values in a discrete energy minimization setup</p> <p>Supervisor: Prof Dr Motaz El Saban. Programming Languages: C++, Matlab</p>
Nov 2008-May 2010	<p>Java Software Engineer at FAWRY, Egypt</p> <p>Team was building a bill presentment and payment network to handle the bills through the various electronic channels available at banks; including ATMs, the internet, mobile phones and point of sales.</p> <p>Technology: Java EE(JSF web, Hibernate, Web services, JMS)</p>

RESEARCH PUBLICATIONS

- **Mostafa S. Ibrahim**, Greg Mori. Hierarchical Relational Networks for Group Activity Recognition and Retrieval, *under review* CVPR 2018. [Github](#)
- Jiawei He, **Mostafa S. Ibrahim**, Zhiwei Deng, Greg Mori. Generic Tubelet Proposals for Action Localization, in WACV 2018
- Mehran Khodabandeh, Zhiwei Deng, **Mostafa S. Ibrahim**, Shinichi Satoh, Greg Mori. Active Learning for Structured Prediction from Partially Labeled Data, in [arXiv preprint arXiv:1706.02342](#), 2017
- **Mostafa S. Ibrahim**, Srikanth Muralidharan, Zhiwei Deng, Arash Vahdat, Greg Mori. A Hierarchical Deep Temporal Model for Group Activity Recognition, in **CVPR 2016**. [Github](#)
- **Mostafa S. Ibrahim**, Amr A. Badr, Mostafa R. Abdallah and Ibrahim F. Eissa. Bounding Box Object Localization Based On Image Superpixelization, in **Procedia CS 2012**
- **Mostafa S. Ibrahim** and Motaz A. El Saban. Higher order potentials with superpixel neighbourhood (hsn) for semantic image segmentation, in **ICIP 2011**

PROGRAMMING CONTESTS ACTIVITY

- Coaching students since 2014 (30 trainees in 2017)
- Judge & Problem Setter in Arabian Regional ACM ICPC 2013
- Chief Judge in Egyptian & Jordanian National ACM ICPC in 2012.
- 2011 ACM ICPC World Finalist in Orlando, Florida - USA.
- 2nd rank 2009 and 2nd rank 2010 in Arab Collegiate Programming Contest.
- 2nd rank 2006, 5th rank 2008 and 1st rank 2009 in Egyptian National ACM ICPC.
- 8th rank in 2005 Egypt Olympiad in Informatics (EOI), Silver Medal.
- Have a [YouTube Channel](#) (250+ videos - 16k subscribers) - [Training sheet](#)

OTHERS

- **Languages:** Mainly C++ and Java. Some research projects: Matlab and Python. Little JavaScript
- Teaching Assistant (2008-2014), Cairo University. Courses: Programming, Software Engineering, Data Structures and Algorithms, Neural Network, Genetic Programming
- Conducted Computer Vision Study Group in SFU in 2016
- Organized Arabic Computer Vision [Webinar Series](#)
- Conducted Computer Vision Study Group in Cairo University in 2012-2013
- Co-organized Machine Learning Day in Cairo University in 2011
- Much fun: Gym, Football, Organizing BBQs, Helping students