

Ahmed Taha

CONTACT INFORMATION <http://www.ahmed-taha.com/> ahmdtaha@cs.umd.edu
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RESEARCH INTERESTS Computer Vision, Image Understanding, Detection, Machine Learning.

STANDARD TESTS **TOEFL:** 103 (Reading: 27, Listening: 29, Speaking: 22, and Writing: 25).
GRE: Quantitative Reasoning: 165, Verbal Reasoning: 149, Analytical Writing: 3.5.

EDUCATION **University of Maryland** Sep 2015 - Present
Ph.D. Student in Computer Science
Initial Supervisor: Prof. Larry Davis.

Alexandria University, Alexandria, Egypt Sept 2011 - Aug 2015
Study Mathematic Engineering.
Completed 6 course with GPA 3.66/4.0 Supervisor: Dr. Marwan Torki
I mainly focused on mathematics engineering applications in computer vision field. I applied dimension reduction techniques and semi-supervised learning approaches in image segmentation and contour detection applications.

Arab Academy For Science And Technology Dec 2011 - Jan 2014
Master Degree in business Administration - MBA
Cumulative GPA: 3.83 / 4.0.

Alexandria University, Alexandria, Egypt Sept 2004 - July 2009
B.S., Computer and Systems Engineering
Ranked 8th on Computer Science Department.
Distinction with degree of honor (87.92%) GPA: 3.81/4.0

RESEARCH EXPERIENCE **Image segmentation** Developed an approach for solving interactive image segmentation problem. The approach supports different user annotation forms like scribble, complete and incomplete trimaps, tight contour and bounding box. Qualitative and quantitative results are compared against [Grabcut](#) , [Geodesic Star Convexity](#) and [MILCut](#).

Contour detection Developed a competitive contour detection approach based on canny contour detector. Quantitative results were compared against different contour detection methods using [Berkeley Segmentation Dataset and Benchmark](#)

PUBLICATIONS **Seeded Laplacian: An Interactive Image Segmentation Approach using Eigenfunctions.**

Ahmed Taha, Marwan Torki.
The International Conference on Image Processing 2015 (ICIP).

Multi-Modality Feature Transform: An Interactive Image Segmentation Approach.

Moustafa Meshry, Ahmed Taha, Marwan Torki.
The British Machine Vision Conference 2015 (BMVC).

TECHNICAL SKILLS

Languages:

- C/C++, C, Objective C, Java, HTML, JavaScript, MATLAB.

Operating Systems:

- Linux, Windows, Android, XOS, iOS.

WORK EXPERIENCE

Teaching Assistant

Sep 2015- Present

University of Maryland.

Computer Science Department.

Tasks: Teaching *Introduction to Computer Systems* course.

Co-founder

Jul 2011 - Present

[Inova LLC](#)

Managing Mobile development projects, negotiating with prospect clients and marketing company services.

Some of the Apps available on App Store that I have developed or managed for our clients are

- [XSmoking](#) :: Enables smokers to quit smoking by subconsciously linking their habit to alarm sound.
- [Polar Scouts](#) :: Mobile game where you guide the polar seals' scout in a journey to save the earth from global warming.
- [HappyUnwrappy](#) :: Happy Unwrappy is a free iOS app designed to help users choose the right gift for the right person, every time. .
- [SlowChatter](#) :: Enables educators to collaborate in virtual learning environments.
- [InsideTrack](#) :: Improve student and institutional success
- [Knowing](#) :: Social e-Library app integrated with Feedbooks library
- [Cody](#) :: Fitness Community, Exercise Journal, Workout Tracker

Teaching Assistant

Mar 2010- Aug 2015

Faculty of Engineering, Alexandria University .

Engineering Mathematics And Physics Department.

Tasks: Teaching Descriptive Geometry for 1st year students and maintaining an online portal for the course.

Software Engineer

Aug 2009 - Mar 2010

[Vimov LLC](#)

Developing mobile apps for iOS and porting C games to iOS.

I have ported [Hexen II](#) open source game from C language to Objective C language to deploy it on iOS devices.

Software Development Intern

Jul 2008 - Aug 2008

[BadrIT](#)

Developing mobile apps for iOS.

Software Development Intern

Jul 2007 - Aug 2007

[EasyDialog](#)

Building website based on Enhydra server using JSP and servlet pages.

Honors and Awards

1. Awarded **four** successive times in college for the Excellent grade.
2. Passing round one in **Microsoft Imagine Cup contest 2008**.

3. Graduate project is a winner in the **Information Technology Industry Development Agency (ITIDA)** competition.
4. Team has been chosen as one of the **Young Innovators Awards (YIA)** Program winners for the academic year 2008/2009.
5. Graduate project was chosen **2nd best graduate project** by Alexandria University for year 2008/2009.

Selected Articles [Leadership vs Management](#)
[Self-Development With Good Habits](#)

Selected Presentations [Rgb\(d\) Scene Labeling- features and algorithms](#)
[E Voting](#)
[Mind map](#)
[Inar \(First Egyptian Tablet\) Market Research](#)

PERSONAL INFORMATION Languages: Arabic (Native Language), and English (Very Good)