

# Mohamed Soliman

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Blog: [3osman.com](http://3osman.com), Portfolio: [3osman.xyz](http://3osman.xyz)

EXPERIENCE	<i>Human-Computer Interaction Researcher</i>	January 2017 - Present
	Multimodal Cluster of Excellence, Saarbrücken, Germany	
	<ul style="list-style-type: none"><li>• Research in the field of skin and embodied interaction.</li><li>• The focus is on finger-to-finger and hand interaction.</li><li>• Computer vision algorithms along with user research studies are used.</li></ul>	
	<i>Product Design Intern</i>	February 2016 - September 2016
	Le Tote, San Francisco, CA	
	<ul style="list-style-type: none"><li>• Revisiting the full life cycles of current product features and enhancing them, with focus on micro interactions.</li><li>• Designing the full user experience of new features to be added to the application across platforms.</li><li>• Conducting user research and interviews for a user-centered approach for a new onboarding flow. Proposed changes improved user conversion by 10%.</li></ul>	
	<i>Software Developer</i>	January 2014 - September 2014
	Eventum IT Solutions, Alexandria, Egypt	
	<ul style="list-style-type: none"><li>• Team leader for an automated dashboard project for the Mobinil Packet Core Network using Spring MVC and elastic search.</li><li>• Member of the developing team of VAS (Value Added Services) performance tool for Etisalat Misr using Ruby.</li><li>• Developing monitoring tools enhancement for STC (Saudi Telecom Company) using Rails.</li></ul>	
	<i>Teaching/Research Assistant</i>	February 2013 - June 2014
EDUCATION	Faculty of Engineering, Alexandria University, Egypt	
	<ul style="list-style-type: none"><li>• TA for pattern recognition, net-centric systems and computer vision courses.</li><li>• RA in computer vision, obstacle detection and avoidance using videos.</li></ul>	
	<i>ACM SIGCHI Summer School on Computational Interaction</i>	June 2017
	ETH Zurich	
	<ul style="list-style-type: none"><li>• Organized by ETH Zurich in Vitznau, Switzerland.</li><li>• Sponsors included Nokia and Disney Research Zurich.</li></ul>	
	<i>Master Degree</i>	September 2014 - February 2017
	Paris-Sud University, France - Aalto University, Finland	
	<ul style="list-style-type: none"><li>• EIT Digital Master's program in Human Computer Interaction and Design with a minor in Innovation and Entrepreneurship.</li><li>• Total cumulative Grade : 3.93/5.</li><li>• <b>Thesis:</b> Combining User-Centered Design and Persuasive Design for Enhancing Consumer Products.</li></ul>	

*Security and Privacy in Digital Life Summer School* July 2015  
University of Trento, Italy

- The summer school took place from July 28th till August 8th in Trento, Italy.
- The emphasis was on ways of applying the currently available security and privacy techniques in digital society.

*Bachelor Degree* September 2007 - June 2012  
Alexandria University, Egypt

- Bachelor's degree in Computer Systems and Engineering.
- Total cumulative Grade : Very Good with Honors, 84.44%.
- [Thesis](#): Efhanni: American Sign Language recognition system using Microsoft Kinect Sensor.

**SUPERVISED THESES** *Master Thesis, Steffen Spier* July 2017 - Present  
Saarland University, Germany

*Bachelor Thesis, Lena Hegemann* February 2017 - August 2017  
Title: Single-Handed Gesture Input Using Finger-to-Finger Touch and Hand Pose.  
Saarland University, Germany

**PUBLICATIONS** [Towards Gaze-based Video Annotation](#) 2016  
Mohamed Soliman, Hamed R. Tavakoli, and Jorma Laaksonen.  
IEEE International Conference on Image Processing Theory, Tools and Applications  
2016

**TECHNICAL SKILLS** *Programming:* Angular, Ruby/Rails, Python/Django, SQL/NoSQL DB, Javascript, HTML/CSS, Computer Vision/Machine Learning.  
*Hardware:* Leap Motion, Eye Tracking, Kinect Sensor, Raspberry PI.  
*UX:* Concept Design, Rapid Prototyping, User Research, Interaction Design, UI Optimization.

**EXTRA-CURRICULAR ACTIVITIES** Slush Conference Helsinki, *Organizer* 2015  
United Nations Alliance of Civilizations Summer School Lisbon, *Attendee* 2011  
YES (Youth Entrepreneurship and Sustainability) Egypt, *Head of Networking* 2010  
Software Freedom Day Alexandria, *Organizer* 2010  
Cairo Code Camp, *Attendee* 2010

**REFERENCES** Available upon request.