

# TAWFIQ SALEM

---

salem@cs.uky.edu ; (859) 257-3961  
http://cs.uky.edu/~salem/

329 Rose St., Lexington, KY 40506

## Education

- |              |  |
|--------------|--|
| 2014–Present | <b>University of Kentucky</b> Lexington, KY<br>Ph.D. Candidate in Computer Science (GPA: 4.0).                         |
| 2010–2012    | <b>Purdue University</b> Indianapolis, IN<br>Master of Science in Computer Science (GPA: 3.73).                        |
| 2002–2006    | <b>Islamic University</b> Gaza, Palestine<br>Bachelor of Science in Computer Science (GPA: 3.8, 1 <sup>st</sup> rank). |

## Experience

- |              |   |
|--------------|---|
| 2015–Present | <b>University of Kentucky</b> , Computer Science Department – Lexington, KY<br><i>Research Assistant:</i><br>In Dr. Nathan Jacobs research group, working in the area of Computer Vision.   |
| 2014–2017    | <b>University of Kentucky</b> , Computer Science Department – Lexington, KY<br><i>Teaching Assistant:</i><br>Teaching assistant for CS 221 (MATLAB), CS 215 (C++), and CS 115 (Python).   |
| Summer       | <b>University of Kentucky</b> , Computer Science Department – Lexington, KY<br><i>Summer Instructor:</i><br>Summer 2016- Teaching CS 115: Introductions to Computer Programming (Python)<br>Summer 2014- Teaching CS 221: First Course in Computer Science for Engineers (Matlab) |
| 2010–2012    | <b>Purdue University</b> , Computer Science Department – Indianapolis, IN<br><i>Tutor:</i><br>Assisted undergraduate students in programming problems (C,C++, Java, Python, R).<br>Helped undergraduate students in database (Oracle, MySQL).                                     |
| 2008–2010    | <b>University College of Applied Science</b> – Gaza, Palestine<br><i>Instructor:</i><br>Teaching Introductions to Computer Programming(C++)   |
| 2006–2010    | <b>Islamic University</b> – Gaza, Palestine<br><i>Teaching Assistant and Lab Technician:</i><br>Teaching assistant for computer science courses.<br>Maintained the computer labs: installing operating systems and software packages.   |

## Honors and Awards

- |           |  |
|-----------|--|
| 2017      | ACM UK Award for Outstanding Teaching Assistant in CS, University of Kentucky.   |
| 2016      | CS Department Award for Outstanding Teaching Assistant, University of Kentucky.  |
| 2016      | \$1,000 Computer Science Department Travel Grant, University of Kentucky.  |
| 2016      | \$400 Graduate School Travel Grant, University of Kentucky.  |
| 2010-2012 | Fulbright scholarship, U.S. Department of State.   |
| 2010-2011 | \$5,000 grant from computer science department, Purdue University, Indianapolis.   |
| 2006      | Graduated with the highest grade point average (3.8, 1 <sup>st</sup> rank) among the students of the Faculty of Information Technology, Islamic University - Gaza (Class of 2006). |

## Publications

### Submitted

- 2019 **Tawfiq Salem**, Scott Workman, Nathan Jacobs. *Learning a Dynamic Map of Visual Appearance*. [Submitted]
- 2019 Gongbo Liang, Hunter Blanton, **Tawfiq Salem**, Xin Xing, Nathan Jacobs, Xiaoqin Wang. *Joint 2D-3D Breast Cancer Classification*. [Submitted]

### Published/Accepted

- 2019 **Tawfiq Salem**, Connor Greenwell, Hunter Blanton, Nathan Jacobs. *Learning to Map Nearly Anything*. In IEEE International Geoscience and Remote Sensing Symposium (IGARSS). [Oral]
- 2019 Weilian Song, **Tawfiq Salem**, Hunter Blanton, Nathan Jacobs. *Remote Estimation of Free-Flow Speeds*. In IEEE International Geoscience and Remote Sensing Symposium (IGARSS). [Oral]
- 2018 **Tawfiq Salem**, Menghua Zhai, Scott Workman, Nathan Jacobs. *A Multimodal Approach to Mapping Soundscapes*. In IEEE Conference on Computer Vision and Pattern Recognition Workshops (CVPR). [Sight and Sound Workshop]
- 2018 Menghua Zhai, **Tawfiq Salem**, Connor Greenwell, Scott Workman, Robert Pless, Nathan Jacobs. *Learning Geo-Temporal Image Features*. In British Machine Vision Conference (BMVC).
- 2018 **Tawfiq Salem**, Menghua Zhai, Scott Workman, Nathan Jacobs. *A Multimodal Approach to Mapping Soundscapes*. In IEEE International Geoscience and Remote Sensing Symposium (IGARSS).
- 2017 William Song, **Tawfiq Salem**, Nathan Jacobs, Michael Johnson. *Detecting the Presence of Bird Vocalizations in Audio Segments Using a Convolutional Neural Network Architecture*. In International Symposium on Acoustic Communication by Animals. [Abstract]
- 2016 **Tawfiq Salem**, Scott Workman, Menghua Zhai, Nathan Jacobs. *Analyzing Human Appearance as a Cue for Dating Images*. In IEEE Winter Conference on Applications of Computer Vision (WACV).

## Talks and Presentations

- 2018 "A Multimodal Approach to Mapping Soundscapes", June. 2018, Sight and Sound Workshop at IEEE Conference on Computer Vision and Pattern Recognition, Salt Lake City, Utah.
- 2015 "Computer Vision Applications of Deep Convolutional Neural Networks", Nov. 2015, Keeping Current Seminar, Computer Science Department, University of Kentucky.
- 2016 "Analyzing Human Appearance as a Cue for Dating Images", Mar. 2016, IEEE Winter Conference on Applications of Computer Vision, Lake Placid, NY.

## Services and Affiliations

- Volunteer**
- Serving as Microteach Leader, Graduate School, University of Kentucky (2018).
  - Engineers Day (E-Day), University of Kentucky (2016).
  - Sharek Youth Forum, Gaza, Palestine (2008-2010).
  - Beit Lahia Development Association, Gaza, Palestine (2007-2009).
- Member**
- Institute of Electrical and Electronics Engineers (IEEE).
  - Association for Computing Machinery (ACM).