TAWFIQ SALEM

salemtm@miamioh.edu; (513)-529-0341   *205P Benton Hall 510 E. High St. Oxford, OH 45056*
https://www.users.miamioh.edu/salemtm/

Education

2014–2019	**University of Kentucky** Lexington, KY Ph.D. in Computer Science (GPA: 4.0).
2010–2012	**Purdue University** Indianapolis, IN Master of Science in Computer Science (GPA: 3.73).
2002–2006	**Islamic University** Gaza, Palestine Bachelor of Science in Computer Science (GPA: 3.8, 1st rank).

Experience

2019–Present	**Miami University**, Computer Science and Software Engineering Department–Oxford, OH *Visiting Assistant Professor:* Fall 2019 : CSE-102, Introduction to Computing and Engineering Spring 2020 : CSE 271, Object-Oriented Programming
2015–2019	**University of Kentucky**, Computer Science Department – Lexington, KY *Research Assistant:* In Dr. Nathan Jacobs research group, working in the area of Computer Vision.
2014–2017	**University of Kentucky**, Computer Science Department – Lexington, KY *Teaching Assistant:* Teaching assistant for CS 221 (MATLAB), CS 215 (C++), and CS 115 (Python).
Summer	**University of Kentucky**, Computer Science Department – Lexington, KY *Summer Instructor:* Summer 2016- Teaching CS 115: Introductions to Computer Programming (Python) Summer 2014- Teaching CS 221: First Course in Computer Science for Engineers (Matlab)
2010–2012	**Purdue University**, Computer Science Department – Indianapolis, IN *Tutor:* Assisted undergraduate students in programming problems (C,C++, Java, Python, R). Helped undergraduate students in database (Oracle, MySQL).
2008–2010	**University College of Applied Science** – Gaza, Palestine *Instructor:* Teaching Introductions to Computer Programming(C++)
2006–2010	**Islamic University** – Gaza, Palestine *Teaching Assistant and Lab Technician:* Teaching assistant for computer science courses. 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, 1st rank) among the students of the Faculty of Information Technology, Islamic University - Gaza (Class of 2006).

Publications

Published/Accepted

2020	**Tawfiq Salem,** Scott Workman, Nathan Jacobs.*Learning a Dynamic Map of Visual Appearance*. In: IEEE Computer Vision and Pattern Recognition (CVPR).
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]
2019	Yu Zhang, Gongbo Liang, **Tawfiq Salem**, Nathan Jacobs. *Defense-PointNet: Protecting PointNet Against Adversarial Attacks*. In IEEE Big Data Workshops [The Next Frontier of Big Data From LiDAR Workshop]
2019	Gongbo Liang, Xiaoqin Wang, Yu Zhang, Xin Xing, Hunter Blanton, **Tawfiq Salem**, Nathan Jacobs. *Joint 2D-3D Breast Cancer Classification*. In IEEE International Conference on Bioinformatics and Biomedicine (BIBM) [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 Shool, University of Kentucky (2018). – Engineers Day (E-Day), University of Kentucky (2016).
Member	– Institute of Electrical and Electronics Engineers (IEEE). – Association for Computing Machinery (ACM).