


# Eid Alkhalidi

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<https://github.com/alkhaldieid/cv/blob/master/cv.pdf>  


(Last updated .)

## Basic Info

: [eid.alkhalidi@gmail.com](mailto:eid.alkhalidi@gmail.com)

: <https://www.linkedin.com/in/eid-alkhalidi-38a10212a/>

: [github.com/alkhaldieid](https://github.com/alkhaldieid)

- An Electrical Engineering PhD candidate at the [University of Toledo](#) , focusing mostly on the diagnostic applications of Deep Learning in medical imaging.

## Institutions

2017–PRESENT

$\{P_h\}$

.D. in Engineering} {University of Toledo, Toledo, Ohio, USA} { Focusing on medical image processing, Artificial Intelligence and Deep Learning. Advisor: [Dr. Ezzatollah Salari](#). }

2015–2017

$\{M\}$

S. in Electrical Engineering} {University of Toledo, Toledo, Ohio, USA}

2014

$\{B\}$

S. in Electrical Engineering} {Oklahoma State University, College of Engineering, Architecture and Technology} { Stillwater, Oklahoma, USA }

## Publications

IN PROGRESS

$\{E_n\}$

semble Optimization for Histological Image Classification} {Dissertation, University of Toledo} { Committee: [Dr. Ezzatollah Salari](#), [Dr. Kim, Junghwan](#), [Eddie Y. Chou](#), Ph.D., P.E., [Dr. Richard G. Molyet](#). }

IN PROGRESS

$\{E_n\}$

smble Optimization for IDC Classification Using CSA} {}


2022 SUBMITTED

$\{E_n\}$

smble Optimization for IDC Classification Using dCGPANN} {}


2019

$\{A_l\}$

khaldi, E. & Salari, E. Genetically Optimized Heterogeneous Ensemble for Histological Image Classification.} {International Journal of Science and Engineering Investigations (IJSEI), 8(95), 113-118.}  <http://www.ijsei.com/papers/ijsei-89519-16.pdf>

2021

$\{A_l\}$

khaldi, E. & Salari, E. Adaptive PSO-Based Ensemble Optimization for Histology Image Classification.} {International Journal of Computer Science and Technology (IJCST), Vol 12, Issue 1, Version Jan-March 2021.}  <https://www.ijcst.com/vol12/issue1/3-eid-alkhalidi.pdf>

## Presentations

SOON


$\{E_n\}$


Ensemble Optimization for Histological Image Classification”} {PhD Proposal Defense}

## Licenses & Certifications

2018

$\{I_m\}$

proving Deep Neural Networks: Hyperparameter Tuning, Regularization And Optimization  {Coursera, issued March 2018}

2018 | {  
Neural Networks and Deep Learning  {Coursera, issued February 2018}

#### Languages

HUMAN | {  
Arabic, English} {} {}

MACHINE | {  
Python, Matlab/GNU Octave, bash/shell, C, C++ , markup languages including { $\LaTeX$ } / { $\XeTeX$ }, R Markdown, basic HTML.} {} {}


DEEP LEARNING | {  
PyTorch, TensorFlow, Keras, Fastai and Sikit-Learn} {} {}


OTHER TOOLS | {  
OpenCV, MATLAB, DEAP (Genetic optimization framework) , Linux } {} {}


#### Research Interests

- Digital Image Processing, Signal Processing and Communication Systems
- Applications of Artificial Intelligence in Medical images, healthcare systems, Cybersecurity and Finance
- Machine Learning, Deep Learning, Data Science and Big Data
- Hyperparameter Tuning, Non-convex Optimization, Numerical Methods and Biologically Inspired Computing

#### Public Code and Scripts

IN PROGRESS | {  
Genetic Algorithm Ensemble Optimization  {A Genetic Algorithm based optimization framework that automatically tune ensembles hyperparameters}

IN PROGRESS | {  
Quantum Computing based Transfer Learning  {A Quantum based Learning Rate Scheduler for transfer learning models}

IN PROGRESS | {  
Histology Image Classification models for ICIAR  {Various pretrained models for breast cancer detection in histology images.

Achieved 88\%


#### Engineering Projects

- UC Davis NATCAR Design Contest (Oklahoma State University 2014 team).
  - Responsibilities: ...
    - \* Microprocessor and interface with other blocks of the system
    - \* Design the power circuit for the whole system
    - \* Choosing the best value Battery that meet the project specs
    - \* The servo control software

#### Volunteering and Extracurricular activities

- MSA vice president (2011-2012)
- SSA member (2007 – 2012)

#### References

- References are available upon your request.
- Email me  and I'll refer you to my mentors based on your interests.