

# AHMET SERDAR KARADENİZ

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## EDUCATION

**Hacettepe University, Ankara, Turkey**

*Jan 2021 (Expected)*

M.Sc. in Computer Engineering

Supervisors: Erkut Erdem, Aykut Erdem

**Middle East Technical University, Ankara, Turkey**

*June 2018*

B.Sc. in Mathematics

## WORK EXPERIENCE

**Ray Informatics**

2017 - Present

*Software Engineer*

- Been part of the startup as an iOS and Backend developer. Developed various iOS and web applications mainly related to photography.

**IBM, Ankara, Turkey**

August 2017

*Summer Intern*

- Developed a file transfer application with Python and Apache Kafka, deployed the application on IBM Bluemix. Developed a prototype application which counts the objects passing through a production line by video processing with OpenCV/C++.

**Microsoft, Istanbul, Turkey**

June 2015

*Summer Intern*

- Completed a Windows universal app which was a computational tool for Linear Algebra. Taken accelerated education about various subjects such as software development and machine learning.

## PUBLICATIONS

Karadeniz A.S., Erdem E., Erdem A., "Extremely Low Light Image Enhancement via Permutation Invariant Networks".

*Working Paper*

Karadeniz A.S. and Efe M.O., "Room-Level Indoor Localization with Artificial Neural Networks,"

*Mediterranean Conference on Pattern Recognition and Artificial Intelligence. Springer, Cham, 2019.*

Karadeniz, Ahmet Serdar, et al. "Improving CNN Features for Facial Expression Recognition."

*ZERO: Jurnal Sains, Matematika dan Terapan 3.1 (2019): 1-11.*

## TECHNICAL SKILLS

**Programming Languages**

Python, C/C++, Objective-C/Swift

**Others**

Unix/Linux, OpenCV, Scikit-Learn/Tensorflow/Keras, Flask, Git, Rest/JSON, Raspberry Pi, MySQL, Digital Ocean/AWS/Bluemix

## LANGUAGE SKILLS

**English**      Fluent

**Turkish**      Native