

HAO WANG

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National Laboratory of Pattern Recognition (NLPR)

Institute of Automation of the Chinese Academy of Sciences (CASIA), China

EDUCATION

The University of Edinburgh, Edinburgh, UK

2018 - 2019

MSc with Distinction in Informatics, Nov. 2019

Supervisor: Robert B. Fisher

Beijing University of Posts and Telecommunications, Beijing, China

2014 - 2018

B.Eng. in Telecommunications Engineering, June 2018

Supervisor: Aidong Men

Högskolan i Skövde, Skövde, Sweden

Sept. 2016 - Jan. 2017

Exchange Student in Informationsteknologi

Concentration: Operating Systems, System Administration

ACADEMIC PROJECTS

Gender Identification from 3D Facial Surface Model

Feb. 2019 - Aug. 2019

Dissertation for Master's degree

- Proposed a novel method on 3D facial gender identification with machine learning & conformal mapping
- Evaluated the proposed method and obtained competitive performance (accuracy over 88%)

Action Recognition Model with First-Person Videos

Jan. 2019 - Mar. 2019

- Evaluated third-person action recognition methods with first-person datasets
- Compared the differences between the third and first-person methods
- Proposed and studied a new model combining MobileNet and Two-stream Pyramid

Image Super-Resolution with Convolutional Neural Network

Dec. 2017 - June 2018

Dissertation for Bachelor's degree

- Realized the subpixel-based image super-resolution method with pixel shuffle
- Tested the model on both image and video datasets

RESEARCH EXPERIENCE

National Laboratory of Pattern Recognition, CASIA

Oct. 2019 - Present

Research Intern

Beijing, China

- Advisors: Xiangyu Zhu, Zhen Lei

Next Generation Internet Research Center, BUPT

May 2017 - Oct. 2017

Undergraduate Research Assistant

Beijing, China

- Advisor: Yang Liu

SKILLS

Programming Languages: Python, MATLAB, C/C++, Java, VHDL, Verilog, Assembly Language

Tools: PyTorch, Tensorflow, OpenCV, Dlib

Others: Linux, Git, SQL, L^AT_EX, FPGA, Arduino, Raspberry Pi