

Enyan Dai

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RESEARCH INTERESTS

Data Mining, Social Media Mining, Fairness in Machine Learning

EDUCATION

The Pennsylvania State University (PSU), State college, USA Sept. 2019-present

- Ph.D. student in Information sciences and technology
- Advisor: Dr. Suhang Wang

Catholic University of Leuven (KU Leuven), Leuven, Belgium Sept. 2017-Sept. 2018

- M.S. in Artificial Intelligence
- Thesis topic: Natural Language Processing in Clinical Domain
- Advisor: Dr. Marie-Francine Moens

University of Science and Technology of China (USTC), Hefei, China Sept. 2012-Jul. 2016

- B.S. in Mechanical Engineering

PROJECTS

Big Data Analytics Belgium, 2017-2018

- Data cleaning, spam filter, movie recommendation and information retrieval

Incisor Segmentation Belgium, 2018

- Build PCA-based incisor detector and implement active shape model for segmentation

Robot Game: Robot for the Elderly China, 2014

- Build the object detection system and implement speech recognition for the human-computer interaction

PROFESSIONAL EXPERIENCE

Intern in Huawei Noah's Ark Lab China, 2019

- Image super-resolution with unpaired high-quality and low-quality images
- Advisor: Dr. Xu Jia

Intern in Cloudwalk China, 2017

- Computation acceleration of the Deep CNN Based Face Detection

AWARDS

- Scholarship for Outstanding Students of 2012, 2014 and 2015
- Recognition award in the 'RoboGame Robot Competition'

PUBLICATIONS

- [1] **Enyan Dai**, and Suhang Wang. "FairGNN: Eliminating the Discrimination in Graph Neural Networks with Limited Sensitive Attribute Information." (arXiv)
- [2] **Enyan Dai**, Yiwei Sun and Suhang Wang. Ginger Cannot Cure Cancer: Battling Fake Health News with a Comprehensive Data Repository (ICWSM-20)
- [3] Zhen Han*, **Enyan Dai***, Xu Jia, Xiaoying Ren, Shuaijun Chen, Chunjing Xu, Jianzhuang Liu, Qi Tian. Unsupervised Image Super-Resolution with an Indirect Supervised Path. (arXiv)