Xiaozhe Yao

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EDUCATION

MS	University of Zürich, Data Science Zürich, Switzerland Minored in Mathematics Thesis: TBD Advisor: TBD	Sept 2019 - ca. July 2021
BS	Shenzhen University, Computer Science Shenzhen, China GPA: 3.59, ranked 17. Special Honour in High Performance Computing Thesis: Face Detection with Multi-Block Local Binary Pattern in OpenCV Advisor: Prof. Shiqi Yu	Sept 2013 - July 2017

HONORS, AWARDS & GRANTS

Excellent Youth Entrepreneur of Nanshan, Shenzhen   2017
Given by the Youth League of Nanshan District

Excellent Student Leader (Second Prize), Shenzhen University   2016
Award to students with strong leadership in student organization

Excellent Student (First Prize), Shenzhen University   2015
Award to students with excellent academic performance

Loongson Award (Third Prize)   2015
Award to students with excellent academic records, also known as Chinese Academy of
Sciences Fellow Awards

Grantee of Cyberport Incubation Program, Hong Kong   2018
Grants for Startups to expand their business

Grantee of Cyberport Creative Micro Fund, Hong Kong   2016
Grants for Startup Ideas and Prototype

Grantee of Individual Makers Fund, Shenzhen Sci. & Tech. Committee   2016
Grants for Students Ideas and Prototype

RESEARCH EXPERIENCE

Multi Block Local Binary Pattern in OpenCV, Shenzhen University, China   2017
Advisor: Prof. Shiq Yu

- I modified Multi Block Local Binary Pattern from Prof. Shiqi Yu's version and adapted it into OpenCV. I learned general face detection process, especially Viola-Jones's algorithm (haar-like features, cascade classifier and adaboost) from this dissertation.
- Multi Block Local Binary Pattern[1] was proposed by Prof. Stan Z. Li. See reference for more information.

National High Performance Computing Center, Shenzhen   2014 to 2016
Student & Research Assistant
- Project: A new approach to predicting the value of stocks based on Deep Learning. Sponsored by Provincial Undergraduate Training Program for Innovation and Entrepreneurship. The project is ranked: Good.

Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, Shenzhen
2016 to 2017
Data Scientist Intern, Lab of Precision Medicine
- Develop Foodie - Healthy and Diet Food Recommendation

Zhitan Technology, Shenzhen   2017 to 2018
Data Scientist & Deep Learning Engineer
- Develop Food Classification Algorithm
- Build systems for recommendation with Deep Learning

AICAMP.CO.,LTD, Hong Kong   2018 to Present
Associate Founder
- Develop CVFlow - Open Workflow for Computer Vision

Computer Vision Lab at Shenzhen University, Shenzhen   2018 to 2019
Research Assistant
- A major contributor to the computer vision platform for online labelling, training, and testing. (Industry AI)
- Developed intra-concentration and inter-separability loss for image classification, achieving robust classification performance.

TEACHING EXPERIENCE

Shenzhen University, Shenzhen   Sept. 2014 to July 2019
Teaching Assistant, Computer Science and Engineering
- Professional English; Web based Programming; Internet Application Development (Android); Data Structure and Algorithms; Java Programming;
- Corrected quizzes, exams, capstone projects, and homework
- Solved students problems in practical classes.

PUBLICATIONS

Books

Road to Machine Learning - Online Learning Notebook. https://ml.autoai.org

Conference Papers

(Peer-Reviewed)
Chen, Yingying, and Xiaozhe Yao. "CVTron Web: A Versatile Framework for Online Computer Vision Services." World Congress on Services. Springer, Cham, 2018.

Yao, Xiaozhe, et al. "Face Based Advertisement Recommendation with Deep Learning: A Case Study." International Conference on Smart Computing and Communication. Springer, Cham, 2017.

PRESENTATIONS AND INVITED LECTURES

Paper Presentation, "Title of Paper," Name of Conference, Date.

Keynote Address, "Title of Presentation," Name of Conference, Date.

Workshop, "Title of Presentation," Name of Workshop, Date.

PROFESSIONAL TRAINING & CERTIFICATE

Entrepreneurship and Innovation Program Certificate
California State University, Long Beach, California

Eco-Tourism Research Summer Program Certificate
University of Malaysia, Sabah, Malaysia

PROFESSIONAL AFFILIATIONS

AICAMP.CO.,LTD, 2018-Present
Lead the development of CVFlow

LANGUAGES

Chinese: Native Language
English: CEFR C1, Effective Operational Proficiency
Deutsch: Basic words & Phrases

OTHER

There is an online version of my curriculum vitae, hosted at **https://xzyaoi.github.com** *where you will find useful links and materials.*

REFERENCE

[1] Liao, Shengcai, et al. "Learning multi-scale block local binary patterns for face recognition." International Conference on Biometrics. Springer, Berlin, Heidelberg, 2007.