

XUHUI ZHAN

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EDUCATION

Vanderbilt University – Data Science Institute
Master of Science in Data Science

Tennessee, United States
May 2025

BNU-HKBU United International College
Bachelor of Science in Data Science

Guangdong, China
June 2022

- First class of honor degree
- Dean's Honor List, Excellent Graduation Thesis, Scholarships of UIC
- Excellent preview instructor, Excellent Peer Mentor

SKILLS

Relevant Skills: Deep Learning, Data Science, Applied Mathematics, Data Visualization, Project Management

Related Platforms: Python, SQL, C, C++, Java, R, C#, Linux, MXNet, TensorFlow, Pytorch

EXPERIENCE

Vanderbilt University
Professional Research Assistant- Department of Anthropology

Tennessee, United States
October 2023-present

- Develop computer vision algorithms to apply in anthropology (computer vision mainly)

Vanderbilt University
Professional Research Assistant-Owen Graduate School of Management

Tennessee, United States
October 2023-present

- Develop NegotiationAI based on LLM for linguistics researchers

Vanderbilt University
Professional Teaching Assistant-Owen Graduate School of Management

Tennessee, United States
August 2023-October 2023

- Tutor statistics in Econometrics I for Master of Finance Students

Suzhou AGV Robot Co. Ltd.

Algorithm engineer-automatic algorithm team

Jiangsu, China
July 2022- April 2023

- Optimize the end localizer program and deploy on new products
- Project Leader for storage status detection system based on vision, implement the computer vision algorithm and communication system for WCS and the front-end showing results, the database for storing and updating the results
- Project cooperater for plant logistic optimization based on reinforcement learning

RONGCHEER Industrial Technology

Vision algorithm engineer

Jiangsu, China
June 2022

- Learn the usage of Halcon in vision inspection
- Implement a high accuracy OCR text recognition program on metal elements for subtracting the serial numbers

China CITIC Bank

Business Analyst Intern

Guangdong, China
June 2021

- Provided optimized investment portfolio options for clients based on latest international situation change and quantitative financial analysis of international funds to create profit for our clients
- Worked as team leader of intern group and received the Excellent Intern Award

PROJECTS

Vanderbilt Institute of Surgery and Engineering (VISE) - Soft tissue registration

Tennessee, United States

- On-going project soft tissue registration for automatic operations

BNU-HKBU - Data augmentation and image enhancement based on collaborative filtering project

Guangdong, China

- Applying for Chinese National Patent

BNU-HKBU - Crowd Counting based on deep neural network project

Guangdong, China

- State-of-art result in 2022

Suzhou AGV Technology- Accurate stacking on AGV cars

Jiangsu, China

- Precise localizer for stacking
- Union with controller of AGV cars

Suzhou AGV Technology- Storage status detection system based on vision

Jiangsu, China

- An accurate detection system to detect the storage status in real time on central server based on Computer Vision

ADDITIONAL

Language skills: Mandarin, Cantonese, English

Interests: Quantum Computing, Basketball, Philosophy, Bamboo Flute, Calligraphy, Table Tennis, Fitness