XUHUI ZHAN

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EDUCATION

Vanderbilt University – Data Science Institute **Tennessee, United States**
Master of Science in Data Science *August 2023-May 2025*

BNU-HKBU United International College **Guangdong, China**
Bachelor of Science in Data Science *September 2018-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 **Tennessee, United States**
Professional Research Assistant- Department of Anthropology *October 2023-present*
- Develop computer vision algorithms to apply in anthropology (computer vision mainly)

Vanderbilt University **Tennessee, United States**
Professional Research Assistant-Owen Graduate School of Management *October 2023-present*
- Develop NegotiationAI based on LLM for linguistics researchers

Vanderbilt University **Tennessee, United States**
Professional Teaching Assistant-Owen Graduate School of Management *August 2023-October 2023*
- Tutor statistics in Econometrics I for Master of Finance Students

Suzhou AGV Robot Co. Ltd. **Jiangsu, China**
Algorithm engineer–automatic algorithm team *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 cooperator for planning logistic optimization based on reinforcement learning

RONGCHEER Industrial Technology **Jiangsu, China**
Vision algorithm engineer *June 2022-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 **Guangdong, China**
Business Analyst Intern *June 2021-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 University- NDS (Network and data science Lab) **Tennessee, United States**
- On-going project using GNN and transformer related techniques to predict Comments on Venmo

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, Bamboo Flute, Calligraphy, Table Tennis, Fitness