

Dongze Li

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EDUCATION

China University of Geosciences

BSc Intelligent Science and Technology

Wuhan, China

Sep 2019 - Jun 2023

- **GPA:** 3.41/4.0 (Top 19%)
- **Honours:** Elite Talent Scholarship (university level, 2021); Elite Talent Scholarship (university level, 2020); Elite Talent Scholarship (university level, 2020)
- **Awards:** Third Prize in the Teddy Cup Data Analysis Skills Competition (provincial level, 2021)
- **Courses:** Advanced Mathematics, Linear Algebra, Probability and Mathematical Statistics, Computer Organization Principles, Data Structures, Computer Networks, Principles of Operating Systems, Artificial Intelligence, Algorithm Design and Analysis, Multivariate Statistical Analysis, Pattern Recognition, Formal Languages and Automata, Machine Learning, Deep Learning, Computer Vision

INTERNSHIP EXPERIENCE

H3C

Intern

Wuhan, China

Jan 2023 - Feb 2023

- Engaged in the design and implementation of web applications and features, including xxx
- Enhanced and optimized existing website functionalities; xxx; ensured friendly user experiences
- Contributed to the ongoing maintenance and resolution of issues affecting the website, successfully ensuring its seamless and uninterrupted operation

China University of Geosciences

Intelligent Science Intern

Wuhan, China

Jun 2022 - Aug

2022

- Collaborated with Weihao Zhang under the mentorship of Professor Cuang Tang in the White Blood Cell Automatic Detection and Counting project
- Developed a deep learning model using the PyTorch framework; constructed a network architecture for automatic detection and the counting of white blood cells and managed data input and model parameter fine-tuning during the training process; managed to employ the trained network for accurate predictions of White Blood Cell

RESEARCH EXPERIENCE

Fusion of Deep Learning Features for UAV Image Matching Technology

Individual Project

2023.4 - 2023.6

- Implemented Geodesic algorithm based on the Geodesic structure to address limitations of CNN in 3D image reconstruction testing; improved feature extraction and matching compared to the traditional SIFT method

Computer Vision Course Project

Wuhan, China

Individual Project

2022.5 - 2022.6

Designed a real-time face recognition system using LBPH method from OpenCV; enhanced LBPH algorithm performance

Image Processing and Analysis Course Project

Wuhan, China

Individual Project

2021.10 - 2021.11

- Implemented the Dark Channel Prior algorithm for image dehazing based on the 2009 CVPR best paper *Single Image Haze Removal Using Dark Channel Prior*; managed to get clearer dehazed images

Student Grade Management System

Wuhan, China

Individual Project

2020.4 - 2020.6

- Created a comprehensive student grade management system using C++ language; realized features such as information entry, modification, deletion, search, and ranking by grades

Wuhan, China

SKILLS & INTERESTS

Computer Skills: MS Office, C++ Language, Python, Java

Languages: Mandarin (Native), English (Proficient, IELTS: 7.0)

Interests: Volunteer work, Aquarium Landscaping, Sketching, Table Tennis