ZHILI HE

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EDUCATION

Nanyang Technological University   **2025.08 – 2026.06 (Expected)**
Master of Science in Blockchain   *Singapore*

University of Electronic Science and Technology of China   **2021.09 – 2025.07**
Bachelor of Science in Digital Media Technology   *Chengdu, China*

- Awards: Model Student Scholarship (2 times), University Social Practice Excellence Award

EXPERIENCE

R&D Intern   **2024.12 – 2025.03**
Chengdu Xiaoduo Technology Co., Ltd.   *Chengdu, China*

- Developed and fine-tuned a large language model for e-commerce intelligent customer service, covering the full cycle from data cleaning to deployment.
- Engineered an automated data pipeline using DataForce, improving data processing efficiency by 35%.
- Deployed 30+ intelligent customer service agents for major clients (e.g., Fotile, Midea), achieving >90% dialogue accuracy and contributing to 2.55M RMB in revenue.

PROJECT EXPERIENCE

Pioneer.Cash Privacy Lending Platform   **2025.08 – Present**
Team Project @ NTU

- Led front-end development for a native privacy lending platform on Avalanche using zk-SNARKs to ensure confidential transactions.
- Built a responsive UI for managing privacy assets, processing encrypted collateral, and executing private loans, ensuring seamless interaction with backend smart contracts.
- Successfully integrated the front-end module, enabling the project to complete prototype testing and qualify as a Hackathon finalist.

Intelligent Diagnosis of Gastrointestinal Endoscopy Images   **2024.09 – 2025.06**
Deep Learning Project   *Link to GitHub*

- Designed and implemented a multi-branch visual model based on the Mamba architecture for gastrointestinal image classification.
- Managed the end-to-end model development lifecycle, including data preprocessing, hyperparameter tuning, and visual analysis.
- Achieved 87.25% accuracy on the Kvasir dataset, outperforming baseline models, and deployed the system as an interactive web-based diagnostic tool.

Buffotte CS:GO Skin Market Data Visualization Platform   **2025.08 – Present**
Full-Stack Project

- Architected and developed a full-stack platform (Python crawler, Node.js backend, Vue front-end) to analyze CS:GO skin price data.
- Implemented core backend services, including RESTful APIs and database interaction, to support historical price queries and trend visualization.
- Completed modular refactoring for version v0.6.1, resolved 10+ functional bugs, and enabled local server deployment.

TECHNICAL SKILLS

Languages: Python (Proficient), JavaScript (Intermediate), SQL, C++, C, C#, Go (Beginner) **Frameworks & Libraries:** PyTorch, TensorFlow, Pandas, NumPy, Node.js, Vue.js, Unity **Databases & Tools:** PostgreSQL, MongoDB, Docker, Git, REST APIs, DataForce **Areas of Interest:** Blockchain, Deep Learning, Full-Stack Development, Decentralized Finance (DeFi)

AWARDS AND PUBLICATIONS

- National College Student Market Research Competition, National Third Prize (2024)
- Model Student Scholarship (2024, 2023)
- University Social Practice Excellence Award (2022)
- **Publication**: He, Z. (2024). Pneumonia image classification using convolutional neural network. *Applied and Computational Engineering*, 67, 255-266. [Link]