

[YOUR FULL NAME]

Email: [YOUR EMAIL] | Address: [YOUR ADDRESS]

Website: [YOUR WEBSITE] | Birthdate: [YOUR BIRTHDATE]

Education

Monash University	Jul 2025 - Present
Master of Artificial Intelligence Faculty of Information Technology	Melbourne, Australia
<ul style="list-style-type: none">• Core Courses: FIT5047 - Fundamentals of Artificial Intelligence, FIT5215 - Deep Learning• Research Interest: Medical AI, Computer Vision, Edge Computing Optimization	
Northwestern Polytechnical University Mingde College	Sep 2016 - Jul 2020
Bachelor of Communication Engineering	Xi'an, China
<ul style="list-style-type: none">• Relevant Coursework: Numerical Analysis, Signal Processing & Systems, Software Engineering, C Programming• Academic Achievements: First Prize in Mathematical Modeling Competition, Multiple Provincial Math Competition Awards	

Professional Experience

HL Mando, China Software R&D Center	Jun 2023 - Jun 2025
Senior Research Engineer Braking ADAS	Suzhou
<ul style="list-style-type: none">• Led algorithm design and prototype development for braking-related Advanced Driver Assistance Systems (ADAS)• Developed perception and decision logic modules that integrate sensor inputs and produce braking decisions under real-time constraints; implemented core modules in C++/Python and collaborated with embedded teams for vehicle integration• Worked on dataset curation and annotation pipelines for scenario-driven testing; designed offline training/validation workflows and online evaluation metrics for braking scenarios• Performed runtime profiling and optimization to meet hard latency deadlines: identified CPU/GPU and I/O bottlenecks, applied algorithmic simplifications and pipeline optimizations to reduce inference latency; prepared artifacts for OTA/prototype deployment• Coordinated with system engineers on ECU interfacing, diagnostic logs, and safety checks; contributed design documents and verification reports	
iFLYTEK	Nov 2022 - Jun 2023
Software Engineer Intelligent Audio Effects Division	
<ul style="list-style-type: none">• Led R&D for Ethernet-based audio transmission proof-of-concept; selected IEEE 1722 for audio transport and 802.1AS for time sync after standards research and comparative analysis• Implemented diagnostic and network management modules for in-vehicle audio platform using AUTOSAR-style state machine; responsible for DID-based info retrieval and control routines• Developed embedded debugging workflows with J-Link and IAR; participated in system-level integration and test	
Huawei Suzhou Research Institute	Jul 2020 - Nov 2022
C/C++ Software Engineer In-vehicle Networks	Suzhou, China
<ul style="list-style-type: none">• Contributed to development of vehicle gateway platform: diagnostics, network management, software upgrade and routing modules	

- Independently developed a vehicle gateway product for Jiangling project — end-to-end development including detailed design, testing and documentation
- Hands-on experience with CAN, Ethernet, TBOX comms, UDS diagnostics; familiar with Vector CANoe, Lauterbach, ZCANPro workflows

Research Projects

AI-Powered Interactive System Design and Implementation

Oct 2018 - Jul 2020

Framework Designer & Algorithm Developer

- **Cloud-Deployed AI System:** Designed scalable architecture for AI voice recognition API optimization using machine learning
- **Hardware Integration:** Developed custom hardware circuits for AI voice recognition interaction systems
- **Advanced Neural Networks:** Implemented and compared CNN vs RNN architectures for speaker recognition, establishing Bidirectional RNN (BRNN) as optimal network structure
- **Loss Function Optimization:** Comprehensive analysis of 8 loss functions (Sigmoid Cross-Entropy, Softmax Loss, Triplet Loss, Center Loss, etc.) for speaker recognition performance
- **Framework Proficiency:** Gained expertise in PyTorch and TensorFlow for deep learning implementation
- **Industry Practices:** Applied DevOps and Agile development methodologies in research environment

Microsoft Xiaoyuan COVID-19 Q&A Chatbot

Jan 2020 - Apr 2020

Development Engineer

- Built comprehensive knowledge base for COVID-19 related inquiries during Wuhan outbreak
- Deployed chatbot across WeChat and open-source communities
- **Core Technology:** Microsoft Dialog Engine for intelligent pandemic response system

Skills & Technologies

Languages: Python, C/C++, MATLAB

Deep Learning: TensorFlow, PyTorch, Computer Vision

Automotive: AUTOSAR, CAN/Ethernet protocols, Embedded Systems

Tools: Vector CANoe, Lauterbach, J-Link, IAR, WordPress, XMind

Research Recognition & Awards

- Chinese Academy of Sciences Summer Program Graduate Certificate
- Shanghai Institute of Advanced Studies Winter Camp Excellence Award
- First Prize - National Mathematical Modeling Competition (University Level)
- Third Prize - Blue Bridge Cup Programming Competition (Provincial Level)
- Second Prize - National Mathematics Competition (Provincial Level) × 2
- Second Prize - Shaanxi Mathematics Competition × 2
- Outstanding Student Award × 2