

Leo(Wenzhuo) Zhao

Field Application Engineer & Application Engineer

Resolve critical technical issues and secure key accounts

Pittsburgh, Pennsylvania

meetleozhao@outlook.com

leo-zhao.com

(412)251-1657

EDUCATION

Master of Science, Electrical and Computer Engineering (SSOE Dean's Scholarship)

University of Pittsburgh, Swanson School, Pittsburgh, PA (May 2027)

Bachelor of Engineering, Mechatronics Engineering

Qiqihar University, CHINA (June 2023)

SKILLS

- C/C++
- Linux/Android
- Motor Control
- Java
- MCU/SoC/CPU
- Root Cause Analysis
- Python
- PCB/Schematic Review
- Requirement Gathering
- MQTT
- Machine Learning
- Project Management

WORK EXPERIENCE

TECHVISION INTELLIGENT TECHNOLOGY

Shenzhen, CHINA

Field Application Engineer

March 2025 – December 2025

Acted as the primary technical liaison, between the client-side and vendor-side

- Leveraged PLM and CRM systems to manage technical requirements, ensuring accurate translation of client needs into R&D specifications.
- Defined system-level architectures and SoC selection for Commercial AIoT solutions (POS, Industrial, Medical), ensuring optimal hardware-software compatibility.
- Implemented enterprise-grade Mobile Device Management (MDM) policies and Cloud Desktop solutions to streamline device provisioning and software updates.
- Created detailed Application Notes and FAQ documents based on client feedback
- Developed and tested peripheral integration (Camera, Display, Audio, Power Management etc.)
- Managed bug/demand lists and drove complaint resolution to maintain high customer satisfaction
- Utilized in C/C++/Python and schematic/PCBA analysis to execute containment plans for defective products
- Ensured product compliance with global standards, including MIL-STD-810G, CCC, EMC, RoHS, and SDS etc.
- Managed technical support and application integration for Consumer Smart Terminals (AI PCs, AI Tablets, AI NAS)

KORYO ELECTRONICS SHENZHEN

Shenzhen, CHINA

Field Application Engineer

July 2023 – September 2024

Provided technical support and business development for MCU and MOSFET product lines

- Collaborated with supply chain partners for quality issues
- Redesigned control algorithms to reduce EM noise by 15%
- Resolved critical production failures to secure a \$1.5M project
- Implemented cost-saving alternatives to win multi-million unit automotive orders
- Specialized in MCU integration, hardware/software optimization and crisis management
- Authored 8D and Failure Analysis report, significantly reducing defect rates and delivery cycles
- Developed thermal paths to reduce temperature rise by 12°C, outperforming top-tier competitors