Leo (Wenzhuo) Zhao

Field Application Engineer

Resolve critical technical issues and secure key accounts | 20,000+ miles annual travel

Pittsburgh, Pennsylvania (Open to Relocation) | meetleozhao@gmail.com

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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

- **Software & Protocols**: C/C++, Python, Firmware Debugging, Linux/Android, RTOS, MQTT
- **Areas & Applications**: AIoT Solutions, Consumer Electronics, Edge AI (PyTorch), Motor Control
- **Hardware & Platforms**: STM32/GD32/AT32/Renesas MCUs, MediaTek/Intel/Rockchip/UNISOC SoCs, Infineon/onsemi/ROHM Power MOSFETs, PCB/Schematic Review, Oscilloscope, Soldering

WORK EXPERIENCE

TECHVISION INTELLIGENT TECHNOLOGY (Publicly listed AIoT ODM) Shenzhen, CHINA

Field Application Engineer (Product Department) March 2025 – December 2025

Acted as the technical liaison between the client-side and vendor-side, delivering technical presentations to clients

- Created detailed **Application Notes** and **User Manuals** based on client feedback
- Leveraged PLM/CRM systems to translate client needs into accurate technical specifications
- Managed **bug/demand lists** and drove feedback resolution to **maintain high customer satisfaction**
- Performed peripheral bring-up, integration and testing (Camera, Display, Audio, Power Management, etc.)
- Debugged defective products using C/C++/Python and schematic/PCBA analysis to execute containment plans
- Defined system-level architectures and SoC selection for Commercial **AIoT solutions** (POS, Industrial, Medical)
- Managed technical support for Smart Terminals (AI PCs/Tablets/NAS), **driving a $1.3M design win (3,000 units)**

KORYO ELECTRONICS SHENZHEN (Publicly listed Semiconductor Distributor) Shenzhen, CHINA

Field Application Engineer (R&D Department) July 2023 – September 2024

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

- Collaborated with supply chain partners on quality issues
- Resolved critical production failures to **secure a $1.5M project**
- Specialized in **hardware/software optimization** and **crisis management**
- Drove design-in of cost-saving MCU/MOSFET alternatives to win multi-million-unit automotive orders
- Performed **root cause analysis** and authored 8D/FA reports, reducing defect rates and delivery cycles
- Redesigned MCU firmware control algorithms to reduce **EM noise by 15%**, developed thermal paths to reduce temperature rise by **12°C**, outperforming top-tier embodied AI/robotic solutions competitors

ADDITIONAL EXPERIENCE

UNIVERSITY OF PITTSBURGH

MDS Assistant (School of Computing and Information) September 2026 – Present

- Resolved technical questions and fed recurring issues back to instructors
- Diagnosed errors in students' LLM and database projects and delivered written technical feedback

Graduate Global Ties Mentor (Office of the Provost) July 2026 – Present

- Mentored international graduate students via monthly check-ins and trained in intercultural communication