

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
- Robotic Control
- 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

- **Managed bug/demand lists** and drove feedback resolution to **maintain high customer satisfaction**
- Defined system-level architectures and SoC selection for Commercial **AIoT solutions** (POS, Industrial, Medical), ensuring optimal hardware-software compatibility.
- Created detailed **Application Notes** and **User Manual** based on client feedback
- Developed and tested peripheral integration (Camera, Display, Audio, Power Management etc.)
- Leveraged Product Lifecycle Management (PLM) and Customer Relationship Management (CRM) systems to manage technical requirements, ensuring accurate translation of client needs into specifications.
- Utilized in **C/C++/Python** and **schematic/PCBA** analysis to execute containment plans for defective products
- 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%, developed thermal paths to reduce temperature rise by 12°C, outperforming top-tier **robotic solutions** competitors
- Resolved critical production failures to **secure a \$1.5M project**
- Implemented **cost-saving alternatives** to win multi-million units 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

CERTIFICATES

PMP Certification Estimated by May 2026

Patent: Glass Curtain Wall Cleaning Machine (CN202121015849.8)

赵文卓 Leo

现场应用工程师 (FAE) & 应用工程师 (AE)

解决关键技术问题并确保赢得关键客户

Base 深圳

meetleozhao@outlook.com

leo-zhao.com

13048901073

教育背景

理学硕士，电子与计算机工程 (获得 SSOE 院长奖学金)

匹兹堡大学斯旺森工程学院，宾夕法尼亚州匹兹堡 (预计 2027 年 5 月毕业)

工学学士，机械电子工程

齐齐哈尔大学，中国 (2023 年 6 月毕业)

专业技能

- 编程与协议:** C/C++, Java, Python, MQTT
- 工程与管理:** 电机控制, 机器人控制, 需求收集, 项目管理
- 系统与硬件:** Linux/Android, MCU/SoC/CPU, PCB/原理图审查, 机器学习

工作经验

TECHVISION INTELLIGENT TECHNOLOGY | 深圳 现场应用工程师 (FAE) | 2025 年 3 月 - 2025 年 12 月

- 担任客户与供应商之间的主要技术联络人
- 根据客户反馈编写详细的应用笔记和用户手册
- 管理缺陷/需求列表, **推动客诉解决**以维持高客户满意度
- 开发并测试**外设集成** (包括摄像头、显示器、音频、电源管理等)
- 负责**消费级智能终端** (AI PC、AI 平板、AI NAS) 的技术支持与应用集成
- 运用 C/C++/Python 和原理图/PCBA 分析, 针对不良品执行控制与围堵计划
- 为商业 **AIoT 解决方案** (如 POS、工业、医疗设备) 定义架构并进行 SoC 选型, 确保最佳的软硬件兼容性
- 利用产品生命周期管理 (PLM) 和客户关系管理 (CRM) 系统管理技术需求, 确保将客户需求准确转化为产品规格

KORYO ELECTRONICS SHENZHEN | 深圳 现场应用工程师 (FAE) | 2023 年 7 月 - 2024 年 9 月

- 与供应链合作伙伴协同解决质量问题
- 专注于 MCU 集成、软硬件优化及危机管理
- 提供 **MCU 和 MOSFET** 产品线技术支持并协助业务开发
- 解决严重的生产故障, 成功保障了价值 150 万美元的项目
- 实施节约成本的**替代方案**, 成功赢得百万级别的车规级订单
- 撰写 **8D 报告**和**失效分析报告**, 显著降低缺陷率并缩短交付周期
- 重新设计控制算法使电磁噪声降低 15%, 并开发散热路径使温升降低 12°C, 性能**超越竞争对手**的机器人解决方案

证书与专利

- PMP 认证:** 预计 2026 年 5 月前获得
- 专利:** 玻璃幕墙清洗机 (专利号: CN202121015849.8)

- 理论基础:** 专业课排名 1/33, 大创项目负责人, ACM 选手, 留学全阶段 DIY 并申请奖学金
- 落地实施:** 汇报于总监/副总, 年度国内飞行 30000 公里奔赴现场, **利用有限资源满足客户期望**