

Wenhao Liu

① Male • 35 years old • MINIEYE Product R&D Director

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📍 Shenzhen, China

Product R&D Director

Since Aug, 2017

- Experience in building product R&D team from 0 to 1, complete experience from AI startup(since 2014) to industry leading listed company(2431.HK), complete experience from the first mass production product development to grassroots technical leader & senior executive.
 - General manager of the product R&D department, leading 12 teams of hardware/software/embedded/structure/camera/testing with more than 100 people.
 - Responsible for roadmap planning, decision making, critical issue tackling, project evaluation, talent echelon building, etc.

Product Development

- Provided nearly 100 automatic driving products for more than 30 OEMs such as Volkswagen, SAIC, Chery, etc., with a cumulative shipping volume of more than 1,000,000 units.
- Planner and owner of the industry's unique hardware static inspection tool, production automation test tooling (hardware+software), automated driving data acquisition and visualization tool (software), Devops+CICDCT R&D closed-loop toolchain, and automated driving simulation test platform, which greatly improved the efficiency and quality of development and testing.
- In the fields of hardware, software, simulation, structure, and testing, is the leader and solution provider of the company's technical direction and solutions.

Team Management

- Won the "Outstanding Management Award" for two times (one person is selected every year).
 - Created a standardized, unified, reliable, proven, and robust team.
 - Completed the formalization of the construction of the hardware, embedded, and vehicle testing, so as to make it out of the vicious cycle of constantly having problems.

Technical achievement

- Led to complete the development and testing acceptance of 3 provincial and municipal science and technology projects (project amount from 3 million to 25 million yuan) .
- First author published a paper in Automation Application "Driverless Scene Recognition Based on Perceptual Network".
- On behalf of the company's main speech "digitalization in the application of the automated driving industry" in Automation Summit Forum of Guangdong, Hong Kong and Macao Bay Area in 2022.

Field Application Engineer

Mar, 2014 - Aug, 2017

- Team performance leader, the highest performance during the period accounted for 49.7% of the entire team (there are 3-4 other colleagues in the same position) .
 - Customers cover DVR, TV, Drone, CNC, BT speaker, HiFi Player, Elevator, PLC and other fields.
- Worked in the U.S. headquarters for half a year (Department of CAN bus) .
 - With the world's top technologists to work together to solve technical problems from all over the world. Solve technical problems from all over the world.
 - 1 Design included in TI Design (485/232 multimode PHY module, TIDA-00540).

Master Degree

Sep, 2011 - Mar, 2014

- Institute of Image Recognition and Artificial Intelligence - Pattern Recognition and Intelligent Systems:
 - Guaranteed to be sent to school with the 1st place of the year, with a full scholarship.
 - Led the design of 3 products and participated in the R&D of 8 projects.
 - Created a 2-credit public course on "Virtual Instrumentation and Testing Technology" for all undergraduates in the university, and served as the lecturer. Wrote a 200-page textbook because of the lack of teaching materials in this field in China.

Bachelor Degree

Sep, 2007 - Jun, 2011

- College of Life Sciences and Technology - Bioinformatics:
 - Participated in 7 electronics competitions, won 4 first prizes, and received a patent.
 - "Pioneer of Special Merit" in 2011 (the highest honor for undergraduates at Huazhong University of Science and Technology, 12 students are selected every year).
 - 17 times of honors, such as "outstanding student" (only the top 1% can apply for this honor), "good student", "excellent graduate", etc.

- Skilled in both software and hardware. Algorithm related master degree, 3 years of experience in semiconductor industry, 8 years of experience in automotive R&D and team management.
- Hardware: Proficient in hardware design and reliability, familiar with the hardware design of TI TDA, Xilinx Zynq, Amba CV, Horizon Journey, and other series of products.
- Software: Mastery of more than 20 programming languages with more than 1,000 lines of development experience. Lead the development of more than 10 projects with more than 20000 lines of code. Familiar with MCU, Linux platform architecture design driver and application development.
- Structure and optics: able to use structural and optical simulation software to carry out some structural design, mechanical analysis, optical simulation, etc.
- Soft abilities: strong learning ability and in-depth investigation and thinking ability. Pragmatic in work, do everything the organization needs. Not afraid of hard work, not afraid of tiredness. Sensitive to figures. Strong document writing, presentation skills.
- Foreign language: English CET6 588 points, worked in the U.S. TI headquarters for half a year, with an international perspective.

刘文浩 产品研发总监

① 男 · 35岁 · MINIEYE产品研发总监 · 12年工作经验 · 深圳

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产品研发总监

2017.8-至今

产品开发

团队管理

技术成就

- 从0到1搭建产品研发团队的经验，从人工智能初创公司到行业龙头上市企业的完整经历，从第一款量产产品开发到基层/中层管理的完整经历
 - 产品研发部门负责人，带领硬件/软件/嵌入式/结构/摄像头/测试等12个团队100余人
 - 负责技术路线规划、决策、重大技术攻关、项目评审验收、人员梯队等工作
 - 在技术方案/开发流程/标准化与模块化等多个方面进行业务和专业解决方案的创新
 - 售前技术对接，与客户就除核心算法外的全部技术板块进行深度阐述与交流
- 为大众/上汽/奇瑞等30多家车厂提供近百款自动驾驶产品，累计出货量100万台以上
- 规划并参与一线开发业内独一无二的硬件静态检查工具、生产自动化测试工装（硬件+软件）、自动驾驶数据采集与可视化工具（软件）、Devops+CICDCT研发闭环工具链、自动驾驶仿真测试平台，极大提升了开发测试的效率与开发质量
- 在硬件、软件、仿真、结构及测试领域，是公司技术方向的引领者与方案的决策者
- 2次获得佑驾创新“优秀管理奖”（每年评选1人）
 - 打造了一支规范、统一、靠谱、久经考验、关键时刻不掉链子的团队
 - 完成了硬件、嵌入式、整车测试的正规化建设，使其走出了不断出问题的恶性循环
- 主导完成3个省市级科技项目的开发及测试验收（项目金额从300万元到2500万元）
- 第一作者在《自动化应用》发表论文一篇《基于感知网络的无人驾驶场景识别》
- 2022 粤港澳大湾区自动化高峰论坛代表公司主讲《数字化在自动驾驶行业中的应用》
- 国家发明专利3项

模拟现场应用工程师

2014.3-2017.8

- 团队主力，期间业绩最高曾占整个团队的49.7%（另有3-4位同岗位同事）
 - 客户涵盖 DVR、TV、Drone、CNC、BT speaker、HiFi Player、Elevator、PLC 等领域
- 曾赴美总部工作半年（CAN总线部门）
 - 与全球顶尖技术专家合作，一起解决来自全球各地的技术难题
 - 设计制作的485/232多模PHY模块，作为TI Design收录(TIDA-00540)

华中科技大学 · 硕士

2011.9-2014.3

- 图像识别与人工智能研究所 · 模式识别与智能系统：
 - 以年级第一的名次保送（年级2-6名去向均为清华北大中科院或北美藤校），全额奖学金
 - 期间负责或主导3个产品设计，参与过8个项目的研发设计
 - 创立了面向全校本科生的“虚拟仪器与测试技术”（2学分）课程，担任唯一讲师。针对国内无相关领域教材的现状，撰写了200页的教科书

华中科技大学 · 学士

2007.9-2011.6

- 生命科学与技术学院 · 生物信息技术：
 - 期间参加过7次电子类比赛，4次获得一等奖，并获得专利一次
 - 2011年“特优生标兵”（华中科大本科生的最高荣誉，全校每年评选12人）
 - 学习特优生（成绩前1%才可申请）、三好学生、优秀毕业生等荣誉共17次

- 软硬兼通，算法学位毕业，3年芯片行业工作经验，8年团队管理经验
- 硬件：精通硬件设计、可靠性等内容，熟悉TI TDA、Xilinx Zynq、Amba CV、地平线征程等系列产品的硬件设计
- 软件：有1000行以上开发经验的编程语言掌握20多种。主导开发过 10 多个 20000 行以上代码的项目。熟悉MCU、Linux平台的架构设计驱动以及应用开发
- 结构与光学：能用结构及光学仿真软件进行一些结构设计、力学分析、光学仿真等工作
- 软能力：较强的学习与深入探究思考能力。工作务实，组织需要什么就做什么。不怕苦、不怕累，做事尽职尽责，尽心尽力。对数字敏感并能过目不忘。较强的文档编写、展示以及演讲能力
- 外语：英语CET6 588分，曾在美国TI总部工作半年，具备国际视野

佑
驾
创
新

德
州
仪
器

华
中
科
大

自
我
评
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