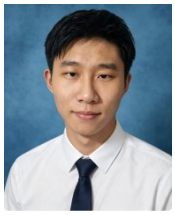
Haotian Xie



Phone: (+86)176 0100 9288
Email: haotianee@gmail.com
Telegram: https://t.me/eehaotian

Personal Social Media:

- Personal Website: https://haotianee.com
- Reddit: https://www.reddit.com/user/haotianee/
- Linkedin: https://www.linkedin.com/in/xiehaotian/
- Rednote: https://xhslink.cn/m/11ZA2irP3qb

Core Computer Skills:

- KiCad (Schematic Capture, PCB Layout & Manufacturing Output);
- FreeCAD (Enclosure 3D-Modelling);
- Blender (Product Rendering);
- Ngspice (Circuit Simulation);
- Matlab/Simulink; Keil; Multisim

Core Programming Languages:

- C/C++
- Python
- JavaScript

Education:

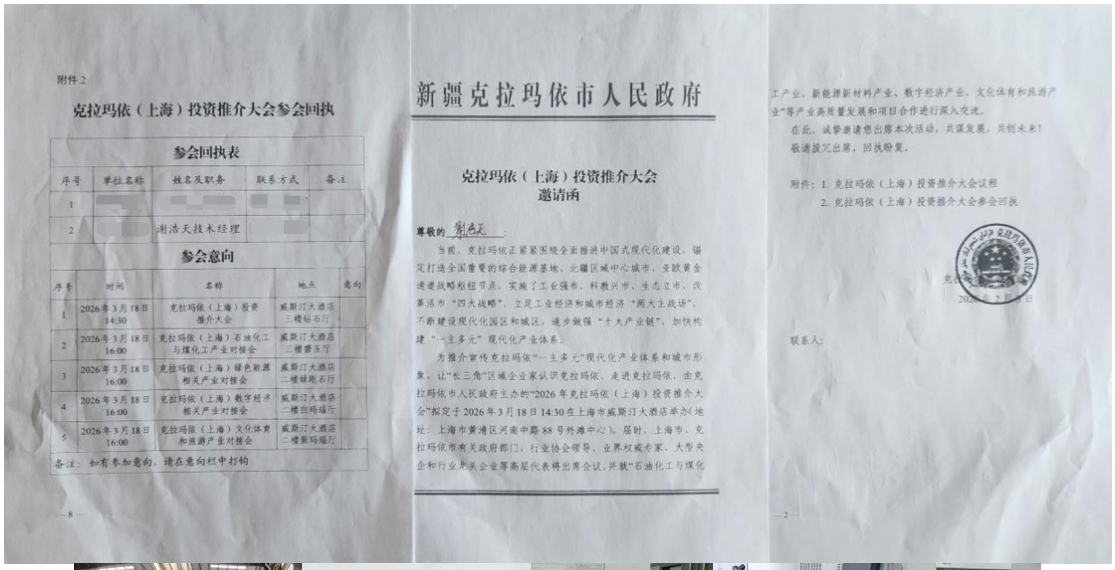
- Bachelor of Engineering in Electrical Engineering and Automation
- Langfang Normal University, China | 2019–2023
- Relevant Coursework: Analog and Digital Electronics, Power Electronics, Microcomputer Principles, Digital Signal Processing (DSP), Microcontroller Systems, Embedded Systems, Computer-Aided Design (CAD), Electrical Machinery, etc.
- Graduation Project: *<Linux/Android Handheld Terminal Based on the Allwinner A33 Platform>*



Professional Experience:

Confidential New Energy Technology Company | Suzhou, China

- Chief Technology Officer (CTO)



附件 2

克拉玛依（上海）投资推介大会参会回执

参会回执表

序号	单位名称	姓名及职务	联系方式	备注
1				
2		胡浩天 技术经理		

参会意向

序号	时间	名称	地点	意向
1	2026年3月18日 14:30	克拉玛依（上海）投资推介大会	威斯汀大酒店 二楼铂石厅	
2	2026年3月18日 16:00	克拉玛依（上海）石油化工与煤化工产业对接会	威斯汀大酒店 二楼碧玉厅	
3	2026年3月18日 16:00	克拉玛依（上海）绿色能源相关产业对接会	威斯汀大酒店 二楼蛙跳石厅	
4	2026年3月18日 16:00	克拉玛依（上海）数字经济相关产业对接会	威斯汀大酒店 二楼白玛福厅	
5	2026年3月18日 16:00	克拉玛依（上海）文化体育和旅游产业对接会	威斯汀大酒店 二楼紫玛福厅	

备注：如有参加意向，请在意向栏中打钩

新疆克拉玛依市人民政府

克拉玛依（上海）投资推介大会
邀请函

尊敬的 刘总天 ：

当前，克拉玛依正紧紧围绕全面推进中国式现代化建设，锚定打造全国重要的综合能源基地、北疆区域中心城市、亚欧黄金通道战略枢纽节点，实施了工业强市、科教兴市、生态立市、改革活市“四大战略”，立足工业经济和城市经济“两大主战场”，不断建设现代化国区和城区，逐步做强“十大产业链”，加快构建“一主多元”现代化产业体系。

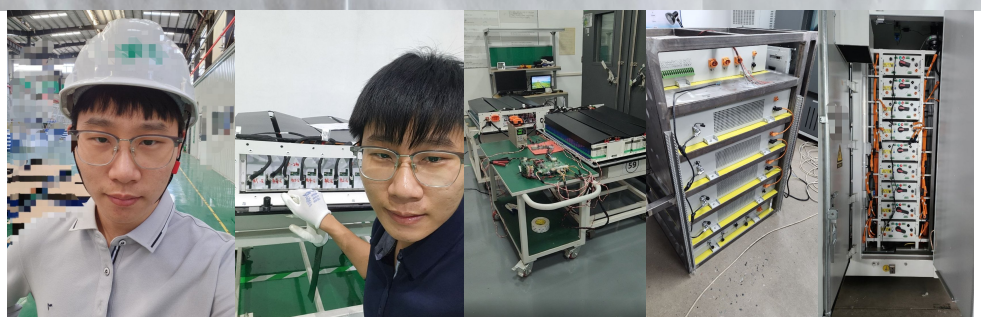
为推介宣传克拉玛依“一主多元”现代化产业体系和城市形象，让“长三角”区域企业家认识克拉玛依，走进克拉玛依，由克拉玛依市人民政府主办的“2026年克拉玛依（上海）投资推介大会”拟定于2026年3月18日14:30在上海市威斯汀大酒店举办（地址：上海市黄浦区河南中路88号外滩中心），届时，上海市、克拉玛依市有关政府部门、行业协会领导、业界权威专家、大型央企和行业龙头企业等高层代表将出席会议，并就“石油化工与煤化工产业、新能源新材料产业、数字经济产业、文化体育和旅游产业”等产业高质量发展和项目合作进行深入交流。

在此，诚挚邀请您出席本次活动，共谋发展，共创未来！

敬请拨冗出席，回执盼复。

附件：1. 克拉玛依（上海）投资推介大会议程
2. 克拉玛依（上海）投资推介大会参会回执

联系人：



Responsibilities:

- Lead the hardware engineering team, oversee PCB design, component selection, SMT manufacturing, procurement, client technical meetings, and cross-functional integration with embedded software and web development teams.
- AGV Battery & Autonomous Driving Systems: Developed battery packs, protection boards, charge/discharge MOS power boards, AFE sampling boards, and RTK + IMU navigation boards. Responsible for cell selection, PACK layout, schematic design, PCB layout, and production validation.
- Mobile Charging Robots & Energy Storage Systems: Developed 100–999 kWh industrial and commercial energy storage systems, including AFE sampling boards, BCU controllers, high-voltage systems, insulation monitoring circuits, and Linux/Android

mainboards. Designed AC/DC charging gun hardware and complete system wiring harnesses.

- V2V Emergency Charging Equipment: Independently completed IC selection, schematic design, PCB layout, BOM generation, SMT manufacturing files, and wiring harness documentation.
- End-to-End Development: Personally involved in hardware design, prototyping, production testing, supplier communication, and component evaluation across multiple projects.

JIYI Robotics Co., Ltd. | Shanghai, China

- Hardware Engineer

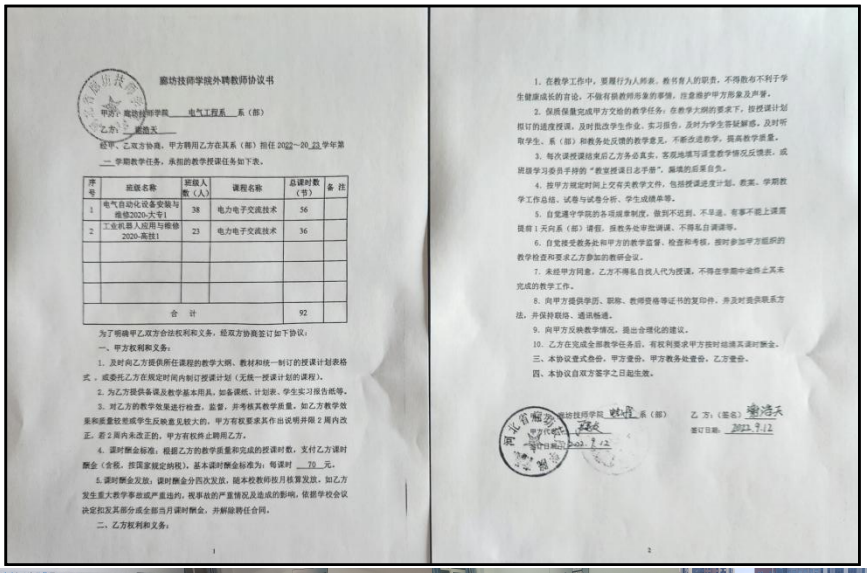


Responsibilities:

- Responsible for new product development, hardware revisions, component procurement, and production management.
- Designed and developed various hardware products, including RTK positioning modules, GNSS base station boards, PMUs, IMUs, L1/L5 antennas, flight controller boards, and autonomous navigation controller boards.
- Handled component selection, schematic capture, and PCB layout design.
- Generated BOM (Bill of Materials) and pick-and-place files for SMT manufacturing.
- Performed PCB soldering, hardware debugging, testing, and SMT production coordination.

Langfang Technician College | Hebei, China

- Electrical Engineering Instructor



廊坊技师学院外聘教师协议书

甲方：廊坊技师学院　电气工程系　系（部）

乙方：谢浩天

经甲、乙双方协商，甲方聘用乙方在其系（部）担任 2022～20_23 学年第 一 学期教学任务，承担的教学授课任务如下表。

序号	班级名称	班级人数（人）	课程名称	总课时数（节）	备 注
1	电气自动化设备安装与维修2020-大专1	38	电力电子交流技术	56	
2	工业机器人应用与维修2020-高技1	23	电力电子交流技术	36	
合　计				92	

为了明确甲乙双方合法权利和义务，经双方协商签订如下协议：

一、甲方权利和义务：

1、及时向乙方提供所任课程的教学大纲、教材和统一制订的授课计划表格式，或委托乙方在规定时间内制订授课计划（无统一授课计划的课程）。

2、为乙方提供备课及教学基本用具。如备课纸、计划表、学生实习报告纸等。

3、对乙方的教学效果进行检查、监督，并考核其教学质量。如乙方教学效果和质量较差或学生反映意见较大的，甲方有权要求其作出说明并限 2 周内改正，若 2 周内未改正的，甲方有权终止聘用乙方。

4、课时酬金标准：根据乙方的教学质量和完成的授课时数，支付乙方课时酬金（含税，按国家规定纳税），基本课时酬金标准为：每课时 70 元。

5.课时酬金发放：课时酬金分四次发放，随本校教师按月核算发放；如乙方发生重大教学事故或严重违约，视事故的严重情况及造成的影响，依据学校会议决定扣发其部分或全部当月课时酬金，并解除聘任合同。

二、乙方权利和义务：

1、在教学工作中，要履行为人师表、教书育人的职责，不得散布不利于学生健康成长的言论，不做有损教师形象的事情，注意维护甲方形象及声誉。

2、保质保量完成甲方交给的教学任务，在教学大纲的要求下，按授课计划组订的进度授课，及时批改学生作业，实习报告，及时为学生答疑解惑，及时听取学生、系（部）和教务处反馈的教学意见，不断改进教学，提高教学质量。

3、每次课授课结束后乙方务必真实，客观地填写课堂教学情况反馈表，或班级学习委员手持的“教室授课日志手册”，编填的后果自负。

4、按甲方规定时间上交有关教学文件，包括授课进度计划、教案、学期教学工作总结、试卷与试卷分析、学生成绩单等。

5、自觉遵守学院的各项规章制度，做到不迟到、不早退。有事不能上课需提前 1 天向系（部）请假，报教务处审批调课、不得私自调课等。

6、自觉接受教务处和甲方的教学监督、检查和考核，按时参加甲方组织的教学检查和要求乙方参加的教研会议。

7、未经甲方同意，乙方不得私自找人代为授课，不得在学期中途终止其未完成的教学工作。

8、向甲方提供学历、职称、教师资格等证书的复印件，并及时提供联系方法，并保持联络、通讯畅通。

9、向甲方反映教学情况，提出合理化的建议。

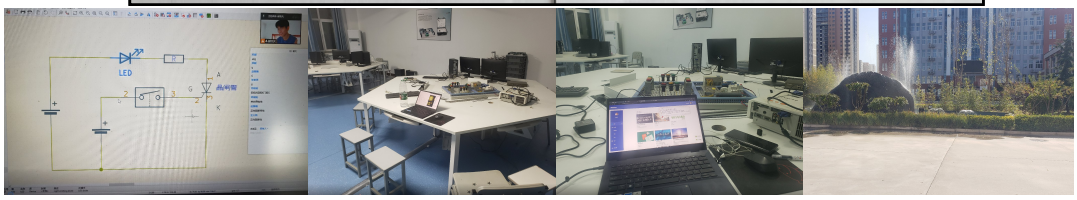
10、乙方在完成全部教学任务后，有权利要求甲方按时结清其课时酬金。

三、本协议壹式叁份，甲方壹份，甲方教务处壹份，乙方壹份。

四、本协议自双方签字之日起生效。

甲方：廊坊技师学院　姚祥　系（部）　2022.9.12

乙方：（签名）谢浩天　签订日期：2022.9.12



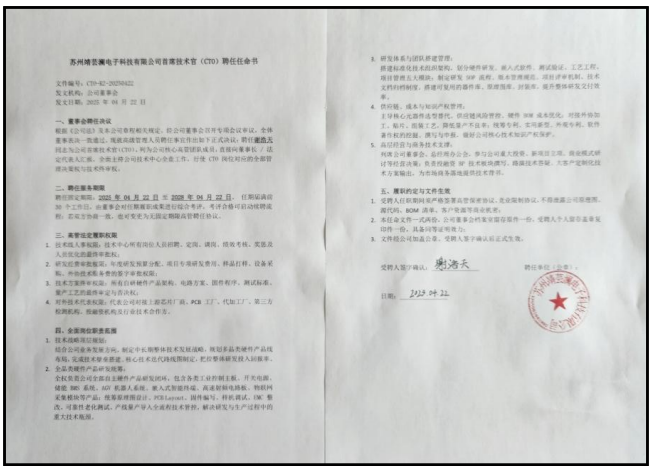
Responsibilities:

- Delivered instruction in Power Electronics and AC Technology to the Class of 2020 Diploma Program in Electrical Automation Equipment Installation and Maintenance, and the Class of 2020 Advanced Technical Program in Industrial Robot Application and Maintenance.
- Developed and prepared course lesson plans and teaching materials.
- Designed and supervised hands-on practical training and laboratory exercises.
- Organized and conducted practical assessments and final examinations.

. . . . . .

JingYunLan Electronic Technology Co., Ltd. | Suzhou, China

- Chief Technology Officer (CTO)



苏州靖芸澜电子科技有限公司首席技术官（CTO）聘任任命书

文件编号：CTO-02-20250422
发文机构：公司董事会
发文日期：2025 年 04 月 22 日

一、董事会聘任决议

根据《公司法》及本公司章程相关规定，经公司董事会召开专项会议审议，全体董事表决一致通过，现批准谢浩天同志聘任本公司首席技术官（CTO），即日起生效。

同志为公司首席技术官（CTO），即为公司核心高管团队成员，直接向董事长（总经理）汇报，全面主持公司技术中心全盘工作，行使 CTO 岗位对应的全部管理决策权与技术终审权。

二、聘任期限

聘任期限为：2025 年 04 月 22 日 至 2028 年 04 月 22 日，任期届满后如双方无异议，可续聘。

三、享有的主要职权

1. 技术线人事权限：技术中心所有岗位人员的聘、定岗、调岗、绩效考核、奖惩及去留优化的建议权。
2. 研发经费审批权限：年度研发预算分配、项目专项研发费用、样品打样、设备采购、外包技术服务费的签字审批权。
3. 技术方案终审权限：所有自研硬件产品架构、电路方案、固件程序、测试标准、量产工艺的最终审定与否决权。
4. 对外技术代表权限：代表公司对接上游芯片厂商、PCB 工厂、代加工厂、第三方检测机构、投融资机构及行业技术合作方。

四、全面岗位职责范围

1. 技术战略规划：结合公司业务发展方向，制定中长期整体技术发展战略，规划多品类硬件产品线布局，完成技术路径选型，核心技术迭代路线图制定，把控整体研发投入的节奏。
2. 全品类硬件产品研发统筹：全权负责公司全部自主硬件产品研发立项，包含各类工业控制主板、开关电源、储能 BMS 系统、AGV 机器人系统、嵌入式智能终端、高速射频电路板、特殊材料采集模块等产品，统筹原理图设计、PCB Layout、固件编写、样机调试、EMC 整改、可靠性老化测试、产线量产导入全流程技术管控，解决研发与生产过程中的重大技术瓶颈。
3. 研发体系与团队搭建管理：搭建标准化技术组织架构，划分硬件研发、嵌入式软件、测试验证、工艺工程、设计管理五大模块，制定研发 SOP 流程、版本管理规范、项目评审机制、技术文档归档制度，搭建可复用的器件库、原理图库、封装库，提升整体研发交付效率。
4. 供应链、成本与知识产权管理：主导核心元器件选型把关，供应链风险管控，硬件 BOM 成本优化，对接外协加工、贴片、组装工艺，降低量产下压单、视频专利、实用新型、外观专利、软件著作权的挖掘，撰写与申报，做好公司核心技术知识产权保护。
5. 高层经营与商务技术支撑：列席公司董事会、总经理办公会，参与公司重大投资、新项目立项、商业模式研讨等经营决策，负责投融资 DF 技术尽调把关，确保技术否决、方案产能制约及技术方案输出，为市场商务部地提供技术背书。

五、理解的定与文件生效

1. 受聘人任职期间保护甲方商业秘密和知识产权，竞业限制协议、不得泄露公司原始图纸、源代码、BOM 清单、客户资源等商业秘密。
2. 本任命文件一式两份，公司董事会档案室留存原件一份，受聘人个人留存盖章复印件一份，具备同等证明效力。
3. 文件经公司加盖公章、受聘人签字确认后正式生效。

受聘人签字确认：谢浩天　聘任单位（盖章）：

日期：2025 04 22



Responsibilities:

Led and managed the end-to-end development of electronic products, taking overall responsibility for hardware design, embedded software development, mechanical and enclosure design, and product commercialization and marketing.

For more detailed technical specifications, engineering highlights, and product development processes, please visit: https://haotianee.com/

Selected Projects:

- ASIC-Based Cryptocurrency Mining Hardware: Designed cryptocurrency mining systems based on Bitmain proprietary ASIC chips, including main control boards, hash boards, and high-current, low-voltage DC-DC power supply systems.
- Custom Mechanical Keyboard Design: Developed custom mechanical keyboards featuring integrated wrist rests, ABS and solid wood construction, chrome-plated decorative accents, and three additional USB 2.0 expansion ports.
- Isolated Switching Power Supply: Designed isolated switching power supplies based on the LM5025A controller.
- Wireless Remote-Controlled Power Supply: Developed remotely adjustable switching power supplies using the ESP32 and TPS546D24A.
- 2.4 GHz Wireless Power Switching System: Designed wireless remote-controlled power switching systems based on the WCH570 platform.
- Linux-Based Embedded Computer: Developed compact, card-sized Linux computers based on the Allwinner F1C200S processor.
- Linux-Based Embedded Computer: Developed compact, card-sized Linux computers based on the Allwinner V3S processor.
- Robotic Infrared Imaging and Recognition System: Developed an infrared imaging and recognition system based on the Rockchip RV1126B, including FPC LED boards and the RV1106B main control board.
- Digital Advertising Player: Developed digital signage and advertising player systems based on the Rockchip RK3566 platform.

- ESP32 Custom Hardware Solutions: Designed and developed customized PCB solutions across the ESP32 product family.
- RF Clock Signal Generator: Developed an RF clock signal source based on the STM32F1 microcontroller and SI5351A frequency synthesizer.
- DC-DC Power Supply Modules: Designed and developed various discrete-component DC-DC power supply modules.
- Custom Electronic Hardware Development: Undertook various customized electronic hardware design and development projects.
- Additional Projects: Numerous other projects involving electronic hardware design, embedded systems, power electronics, and complete electronic product development.

IC-Based Hardware Design Experience:

The following is a partial list of ICs, chipsets, and hardware platforms for which I have hands-on experience in schematic design and PCB layout.

BMS Analog Front-End (AFE) & Battery Monitoring Circuits

- Texas Instruments (TI): BQ series, etc.
- Sino Wealth: SH36730 series, etc.
- BYD: BM34 series, etc.

MCU-Based Main Control Boards

- STM32: F1, F4, F7, H7 series, etc.
- ESP32: S3, S2, C3, D0, ESP8266 series, etc.
- WCH (QinHeng): CH579, V307, CH570 series, etc.
- AVR: AT90USB1286, ATmega328P, ATmega2560, etc.
- Bitmain: BM1370, BM1366, etc.

High-Performance SoC-Based Main Control Boards

- Allwinner: A33, A20, V3S, F1C200S, etc.
- Rockchip: RV1126B, RV1108, RK3566, etc.

FPGA-Based Hardware Design

- AMD Xilinx: Zynq-7010 SoC FPGA, etc.
- Gowin Semiconductor: GW1N, GW5A series, etc.

Power Supply Boards & Power Management

- Experience covering a wide range of power management ICs and power conversion solutions. The specific models are too numerous to list individually.

Wireless Communication Boards

- Module Manufacturers: Quectel, EBYTE, China Mobile, Mosaic, Unicore Communications, Ai-Thinker, etc.
- Designed supporting peripheral circuits and custom PCBs for various wireless communication modules, including:4G LTE, GNSS, LoRa, Bluetooth, Wi-Fi, etc.

Peripheral Communication & Data Acquisition Circuits

- Communication Interfaces: RS-485, CAN, RS-232, I²C, SPI, etc.
- Data Acquisition: ADC circuits and related signal acquisition and conditioning circuits.
- Experienced in both isolated and non-isolated circuit design.
- Custom communication and data acquisition circuit development for various embedded applications.

High-Speed Interfaces & Peripheral Circuits

- USB Interfaces: USB 2.0, USB 3.0, etc.
- MIPI Interfaces: MIPI CSI, MIPI DSI.
- Display Interfaces: HDMI, LVDS, RGB888, CVBS, etc.
- Memory Interfaces: SDRAM, NAND Flash, etc.
- Experience in high-speed interface circuit design, signal integrity considerations, PCB routing, and layout.

STAY CURIOUS.
KEEP BUILDING.



THANKS FOR YOUR TIME!