



王玲玥



女 | 28 岁 (1996/02) | 3 年工作经验 | 中共党员 | 现居住湖北省



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优势亮点

- 1、本科阶段学习电子信息，研究生阶段学习光学工程，光电理论基础扎实。
- 2、在欧菲光和南京芯视界工作的 3 年中，不仅负责 DTOF 比如 LDS 的标定，系统级仿真，评测、数据处理以及飞点的滤波算法；还负责 ITOF 杂散光、多路径、运动模糊、人眼安全、抗环境光等测试，对整个 TOF 领域有较深刻的认识。并且对摄像头模组接收端光斑进行仿真，校招进入车间产线实习过两个月左右，对模组端发射线和接收线有一定的了解。
- 3、对 matlab 仿真应用熟练，数据处理分析熟悉。
- 4、事业进取心强，广泛参与了 LDS 从 0 到 1 的技术实现过程，主要负责光电类的测试、标定，对光电行业有较深的见解，取得了一定的专业成果。

工作经历



南京芯视界微电子科技有限公司

2023/10-2024/4

系统工程师

电子技术/半导体/集成电路|150-500 人|创业公司

工作描述： **工作职责：**

- 1、新产品调研、竞品分析、系统应用技术拓展和需求确定。
- 2、推动产品立项评估、研发进度、样品试制、样品验证及客户量产问题解决。
- 3、客户应用支持，系统级测试，标定。

工作业绩：

- 1、推动团队研发、试做 KWS 和同轴激光雷达模组。
- 2、通过 matlab 对实测数据进行寻峰分析，定位到 LD 罩子脏污问题是由于寻峰只能寻到最前峰，通过调整峰-峰 gap 可解决。
- 3、完成 KWS 模组、同轴模组参考设计；完成多峰固件验证。
- 4、通过 matlab 完成模组标定，分析标定数据，为客户定位标定数据问题。
- 5、根据已有的系统模型，改变系统参数，进行系统模型仿真。
- 6、调试修改 python 程序，处理并整理 ATE 数据。
- 7、处理客诉问题：在 TX 周期性打光信号前有两段打光信号，通过客户提供电路原理图，自己焊线引出 Tx trig 信号到示波器，更新驱动程序，定位这两段信号目的是确定打光帧率。
- 8、完成模组标定、测试；回复客户针对 DTOF 芯片的问题，包括寄存器配置，DTOF 原理，提升产品精准度等问题。



欧菲光集团微电子事业部 (2 年 3 个月)

2021/6-2023/9

测试开发工程师

电子技术/半导体/集成电路|1000-5000 人|已上市

工作描述： **工作职责：**

- 1、TOF、RGBD 模组相关性能评测、问题点对策及模组性能改善。
- 2、扫地机、车载项目前期调研和预言。
- 3、与客户对齐评价标准，支持客户端测试。
- 4、仿真类计算。

工作业绩：

- 1、在研发阶段排查出 LDS 镜筒透光，为公司节约人力物力。
- 2、提升抗环境光能力从 25klx 到 50klx 左右。
- 3、编写 matlab 代码滤除前后景引入的散点。
- 4、给定模组及 sensor 参数，理论计算各反射率下模组最远探测距离。
- 5、对 pileup 曲线进行拟合计算相关系数，完成标定过程。
- 6、计算太阳光中某个照度下某个波段光源的辐射照度，用于理论推导在太阳光下模组的最远探测距离。
- 7、通过测试分析得出顺光下模组最远探测距离小于逆光环境的结论。
- 8、写 matlab 程序完成 sensor 端接收 spot 仿真。
- 9、定位排查到双 Tx doe 安装位置有偏差，AA 散斑偏大且弥散。
- 10、部门内人眼安全测试与计算

项目经验

扫地机同轴项目

2023/12-2024/4

所属公司： 南京芯视界微电子科技有限公司

项目描述： 项目背景：开发一款扫地机上激光雷达模组（DToF）做避障、SLAM 用途推广客户

项目责任：推动产品立项、研发进度、产品测试及标定、参考设计、系统模型仿真、客户应用支持

项目成就：成功完成模组打样及性能测试，实测性能基本满足设计需求。

双 TX 模组

2023/1-2023/9

所属公司： 欧菲光集团微电子事业部

项目描述： 项目背景：开发一款扫地机上激光雷达模组（ITOF）做避障、SLAM 用途推广客户

项目责任：完成 matlab 代码实现 sensor 端接收 spot 光斑仿真、模组性能测试及改善、通过上位机调参，分析滤波参数作用、计算太阳光谱辐照度

项目成就：成功完成模组打样及性能测试，实测性能满足设计需求

扫地机 LDS 项目

2022/1-2023/9

所属公司： 欧菲光集团微电子事业部

项目描述： 项目背景：开发一款扫地机上激光雷达模组（DToF）做避障、SLAM 用途推广客户

项目责任：模组性能&场景测试、扫地机 LDS 市场调研、抗环境光性能提升、前后景等引入飞点滤波算法、多路径问题分析及改善、模组标定、模组最远探测距离计算、模组一致性问题排查、负责与客户端对接性能测试、完成各种数据处理的 matlab 代码编写

项目成就：成功完成模组打样及性能测试，实测性能满足设计需求

教育经历



湖北工业大学

2018/9-2021/6

硕士 | 光学工程

专业描述： 课程内容：激光原理和技术、传感器组成原理、光学信息处理、光学计量与测试等

毕业论文：基于激光干涉的圆管束自然对流换热实验与数值研究



中南财经政法大学 211

2016/9-2018/6

本科 | 商务英语

专业描述： 课程内容：高级英语、英语口语、英语写作、汉译英、英译汉、商务英语视听说、英美文学等



湖北工业大学

2014/9-2018/6

本科 | 电子信息科学与技术

专业描述： 课程内容：信号与系统、电路原理、模拟集成电路分析与设计、数字集成电路分析与设计、电磁场与电磁波、半导体物理、单片机、C 语言程序设计、数据结构、计算机网络、计算机组成原理等。

毕业论文：基于 LabView 的数字存储示波器设计

在校情况

校内荣誉	
湖北工业大学一等奖学金	2019/3
湖北工业大学二等奖学金	2016/3
湖北工业大学数学竞赛三等奖	2015/3
校内职务	
理学院女生部部长	2014/10-2017/10
职务描述： 1、负责理学院女生部常规卫生、安全查寝； 2、组织女生文化节户外活动、组织寝室文化节室内装扮与评比； 3、完成院内各部门间组织活动协助支持。	

技能特长

技能/语言			
C/C++	良好	Matlab	熟练
证书			
CET6			2016/9

Advantages and highlights

- 1、I majored in electronic information during my undergraduate study and optical engineering during my postgraduate study. I have a solid theoretical foundation in optics and electricity.
- 2、During the three years of working in Ofilm and Nanjing Core Vision Microelectronics Co. , Ltd. , I was not only responsible for the calibration of DTOF such as LDS, system-level simulation, evaluation, data processing and filtering algorithm of flying points; Also responsible for ITOF stray light, multipath, motion blur, eye safety, anti-ambient light and other tests, I have a deep understanding of the entire field of TOF. In addition, I simulated the light spot of the receiving end of the camera module, and worked in the production line of the workshop for about two months, so I have a certain understanding of the module making emission line and receiving line.
- 3、Familiar with matlab simulation application, data processing and analysis.
- 4、With strong career initiative, I have extensively participated in the technical realization process of LDS from 0 to 1, mainly responsible for the testing and calibration in optics and electricity, and have a deeper insight into the optical and electrical industry and achieved certain professional results.

Work experience



Nanjing Core Vision Microelectronics Co. , Ltd. 2023/10-2024/4

Co. , Ltd. (6 months)

System development engineer

Electronic technology/semiconductor/integrated circuit |150-500 people | startup company

Job

Job responsibilities:

- Description:**
- 1, New product research, competitive product analysis, system application technology development and demand determination.
 - 2, Promote product project evaluation, research and development progress, sample trial production, sample verification and customer mass production problem solving.
 - 3, Customer application support, system level testing, calibration.

Work performance:

- 1, Driving the team to develop KWS and coaxial LiDAR modules.
- 2, Through matlab peak search analysis of the measured data, it is located that the LD cover dirt problem is because the peak search can only find the most front peak, which can be solved by adjusting the peak-peak gap.
- 3, Complete the reference design of KWS module and coaxial module; Complete multi-peak firmware verification..
- 4, Completed module calibration through matlab, analyzed calibration data, and positioned calibration data problems for customers.
- 5, According to the existing system model, change the system parameters and simulate the system model.
- 6, Debugging and modifying python programs, processing and sorting ATE data.
- 7, deal with customer complaints: there are two sections of light signal before the TX periodic light signal, through the customer to provide circuit schematic, their own wire leads to the Tx trig signal to the oscilloscope, update the driver, locate the two sections of signal to determine the light frame rate.
- 8, Completed module calibration and testing; Answer customer's questions about DTOF chip, including register configuration, DTOF principle, improve product accuracy and so on.



Microelectronics Division of Ofilm Group (2) 2021/6-2023/9

years and 3 months)

Test development engineer

Electronic technology/semiconductor/integrated circuit |1000-5000 people | is available

Job	Job responsibilities:
Description:	<ol style="list-style-type: none"> 1, TOF, RGBD module related performance evaluation, problem countermeasures and module performance improvement. 2. Preliminary investigation and prediction of sweeper and vehicle project. 3. Align evaluation criteria with customers and support client-side testing. 4. Simulation calculation. <p>Work performance:</p> <ol style="list-style-type: none"> 1. Check the light transmission of LDS mirror tube in the research and development stage, saving manpower and material resources for the company. 2, improve the resistance to ambient light from 25klx to 50klx. 3, write matlab code to filter the scatter introduced by the front and back scenes. 4, Given module and sensor parameters, theoretically calculate the farthest detection distance of the module under each reflectivity. 5, Fit the pileup curve to calculate the correlation coefficient and complete the calibration process. 6, calculate the irradiance of a certain band light source under a certain illuminance in the sun, used to theoretically deduce the farthest detection distance of the module under the sun. 7, Through testing and analysis, it is concluded that the farthest detection distance of the module in the downlight environment is less than that in the backlight environment. 8, Write matlab program to complete the spot simulation received by sensor end. 9, The positioning check found that the double Tx doe installation position was deviated, and the A speckle was large and dispersed. 10, Eye safety test and calculation in the department

Project experience

Vacuum cleaner coaxial project	2023/12-2024/4
Company:	Nanjing Core Vision Microelectronics Co. , Ltd.
Project	Project background: Develop a laser radar module (DToF) for sweeping machine to promote customers for obstacle avoidance and SLAM.
Description:	<p>Project responsibilities: Promote product project approval, R&D progress, product testing and calibration, reference design, system model simulation, customer application support</p> <p>Project achievements: Successfully completed module proofing and performance testing, and the measured performance basically met the design requirements.</p>
Dual TX module project	2023/1-2023/9
Company:	Microelectronics Division of Ofilm Group
Project	Project background: Develop a laser radar module (ITOF) for vacuum cleaners to promote customers for obstacle avoidance and SLAM.
Description:	<p>Project responsibilities: Complete matlab code to realize sensor terminal receiving spot simulation, module performance testing and improvement, adjust parameters through the upper computer, analyze filtering parameters, and calculate solar spectral irradiance.</p>

Project achievements: Successfully completed module proofing and performance testing, and the measured performance met the design requirements.

Vacuum cleaner LDS project 2022/1-2023/9

Company: Microelectronics Division of Ofilm Group

Project **Project background:** Develop a laser radar module (DToF) for sweeping machine

Description: to promote customers for obstacle avoidance and SLAM.

Project responsibilities: module performance & scene testing, vacuum cleaner LDS market research, anti-ambient light performance improvement, front and rear view introduction of flying point filtering algorithm, multipath problem analysis and improvement, module calibration, module furthest detection distance calculation, module consistency problem troubleshooting, responsible for client docking performance testing, and completed matlab code writing for various data processing

Project achievements: Successfully completed module proofing and performance testing, and the measured performance met the design requirements

Educational experience



Hubei University of Technology

2018/9-2021/6

Master's degree | optical Engineering

Professional Description: Course content: Laser principle and technology, sensor composition principle, optical information processing, optical measurement and testing, etc
Graduation thesis: Natural convection heat transfer from two horizontal cylinders using a lateral shearing interferometer with a large shear amount.



Zhongnan University of Economics and Law 211

2016/9-2018/6

Undergraduate | Business English

Professional Description: Course content: Advanced English, Spoken English, Written English, Chinese-English translation, English-Chinese, Business English Audio-visual Speaking, British and American Literature, etc



Hubei University of Technology

2014/9-2018/6

Undergraduate | Electronic Information science and technology

Professional Description: Course content: Signal and System, Circuit Principle, analog Integrated Circuit Analysis and design, digital Integrated Circuit analysis and design, Electromagnetic field and electromagnetic wave, semiconductor physics, single chip microcomputer, C language programming, data structure, computer network, computer composition principle, etc.
Graduation thesis: Design of digital storage oscilloscope based on LabView.

School situation

Intramural honor

Hubei University of Technology first-class scholarship	2019/3
Hubei University of Technology second-class scholarship	2016/3
Third prize in mathematics competition of Hubei University of Technology	2015/3

On-campus position

Head of Women's Department, College of Science	2014/10-2017/10
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Job Description: 1. Responsible for routine health and safety inspection of the girls' Department of the College of Science;
2. Organized outdoor activities of girls' cultural festival, organized indoor decoration and evaluation of dormitory cultural;
3. Assist and support inter-departmental activities within the Faculty of Science.

Skill and specialty

Skills/Language

C/C++	good	Matlab	dexterity
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certificate

