

教育背景

- 2013–Present 上海交通大学 上海 中国 硕士在读
- 模式识别与智能系统专业
- 2009–2013 东南大学 南京 中国 工学学士
- 自动化专业，GPA:84.59/100，院系排名:37/120

研究方向

- 机器学习
- 人脸识别
- 嵌入式系统开发

项目经验

- 2014/1-2014/5 **非同源人脸图像识别及其系统开发 (C++、OPENCV and Matlab)**
- 复现 ASM 算法实现人脸特征点定位，以统一标准截取人脸图像。利用稀疏特征选择算法从可见光人脸图像库中重构出近红外图像。该项目可应用于智能机器人人机交互、身份证实时识别等日常生活方面。
 - 本项目从头到尾都是我一手负责，主要工作：查阅文献，寻找、改进并实现算法。在本次项目中系统学习了 C++ 语言，及 OPENCV 库。
- 2013/2-2013/6 **AFFSPM 电机控制系统设计与开发 (C、Altium Designer)**
- 应用功能强大的 DSP (TI TMS320F28335) 和先进的 SVPWM 控制技术设计了 AFFSPM 电机交流调速控制系统。完成基于 DSP 的硬件控制平台设计，给出了主要器件的选型和原理图设计。
 - 完成了整个系统的程序设计，程序采用模块化和编程思想，设计了系统整体的软件架构和 workflows，并给出了各个模块的流程图。
- 2012/6-2012/8 **串口可控的电机教学演示装置 (Protel and C、C++)**
- 完成基于 MSP430 单片机的电机驱动控制电路设计，学习使用 altium desingner 设计 PCB 板，掌握基本的硬件调试理论。
 - 使用 Visual Studio 的 MSComm 控件编写简单的上位机软件，通过 RS232 串口控制电机运行状态。
- 2011/11-2012/3 **RoboCup 仿真组足球竞赛 (C++、Linux)**
- 掌握仿真环境中机器人的定位方法和视觉系统设计，开发针对足球比赛的进攻及防守策略。
 - 掌握 Ubuntu 环境的配置，基本的 Linux 操作指令。

活动经历

- 2014/2-2014/5 上海科技大学模拟电路设计 EE240 课程助教，协助老师完成实验指导、作业批改等教学工作
- 2012/9-2014/6 东南大学 080091 团支部团支书
- 2010/6-2010/7 食品安全宣传暑期实践团队队长，带领队员完成上海周边高校夜宵情况调研报告，及社区宣传，被评为东南大学暑期实践优秀个人
- 2009/9-2010/6 东南大学自动化学院实践部干事，为学院获取超过 5000 元的经费赞助

电脑技术&英语水平

- 编程语言: C, C++, Matlab , Javascript, Python
 - 排版软件: LaTeX 办公软件: Microsoft Word, PowerPoint, Excel
 - 流利的英文读写能力
- CET-4:580 CET-6:571

奖学金& 荣誉

- 2012 菲尼克斯电气奖学金
- 2011 东南大学第六届视觉制导机器人竞赛校级三等奖
东南大学第六届大学生智能车竞赛（摄像头）校级类校级三等奖
东南大学第八届 ROBOCUP 机器人竞赛（3D 足球仿真组）校级三等奖
- 2010 全国大学生英语竞赛国家级二等奖
- 2009 院社会工作优秀奖

自我评价

尊敬师长、团结同学。本科部分成绩：离散数学(96)，计算机控制系统(93)， C++(88) ，电子电路基础(87)，传感器技术(92)，微机原理与应用(87)，信号与系统(88)；研究生部分成绩：矩阵理论(A-)，高级机器人(A-)；理工科是专业掌握最好的。崇尚团队合作精神，具有团体工作经验；热爱学习和乐于奉献是我的最大优点；细致负责和勇于进取是我的工作准则。

Education

- 2013–Present Shanghai Jiao Tong University, Shanghai, P.R. China. Master Degree
- Major in Pattern Recognition and Intelligent Systems
- 2009–2013 Southeast University, Nanjing, P.R. China. Bachelor of Engineering
- Major in Automation, GPA: 84.59/100, Rank: 37/120

Research Interests

- Machine Learning
- Face Recognition
- Embedded System Development

Projects

- 2014/1-2014/5 **Heterogeneous Face Recognition(C++、OPENCV and Matlab)**
- Reproduce the ASM algorithm to realize the landmark location of human face, intercept the face in single standard. Then we use sparse feature selection to construct the face under NIR from the gallery of face under VIS. This project is very important in Human-computer interaction and ID identification.
 - Be in charge of this project from beginning to the end, the main work contains looking for and improving the efficient algorithms from international papers.
- 2013/2-2013/6 **Design and Development of the Control System for AFFSPM Machine(C)**
- Use the powerful DSP (TI TMS320F28335) and adopt the advanced SVPWM technology to design the AC speed modulation control system for AFFSPM machine. Complete DSP-based hardware system design, selection and gives the schematic design of the main components.
 - Complete the entire system programming and the overall design of the system architecture and software Work flow. The most important thing is to learn the modular programming ideas.
- 2012/4-2012/6 **The Controllable Device Based on Serial Communication(Protel andC)**
- Learn how to use altium desingner to make circuit board(PCB) and control the motor through RS232.
 - Use MSComm API to develop simple PC software.

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2011/4-2012/3 **Robocup Simulation Football Competition**

- Master positioning method and visual design of the robot system in simulation environment. Develop offensive and defensive strategies in terms of soccer match.
- Master configuration Ubuntu environment and basic Linux operating instructions.

Activities

2014/2-2014/5 TA of EE240 in Shanghai Science and Technology University to help the teacher
2012/9-2014/6 Secretary of 080091 Mission branch group, Southeast University
2010/6-2010/7 the Leader of Summer social practice to broadcast food safety
2009/9-2010/6 Social practice officer of SEU Automation Department to gain sponsorship

Computer & Language Skills

- Programming Language: C, C++, Matlab, Javascript, Python
 - Typography: LaTeX Office Software: Microsoft Word, PowerPoint, Excel
 - Proficient in both verbal and written English
- CET-4: 580 CET-6: 571

Honors & Awards

2012 the phoenix electric scholarship
2011 the third prize of the sixth Vision-guided robot competition of SEU
 the third prize of the eighth ROBOCUP contest of SEU(3D football simulation field)
 the third prize of the sixth Smart-car contest of SEU (Camera)
2010 the second prize at the national level of the national college students English competition
2009 Honorable mention of School social work

Self-Evaluation

Respect teachers and unite classmates. My science and engineering are the best among my classmate. Have coordination skills and teamwork spirit. Studious nature and dedication are my greatest strengths; aggressive heart and attentively responsible work are my work guide line. I'm available from June to August!

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