董骏博

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计算机四级网络工程师（良好）
2/187 与 1/187（专业排名/推免排名）
CET-6:427 与 CET-4:468（英语六/四级）

教育背景

湘潭大学（双一流） 自动化与电子信息学院 自动化 2020.09 - 至今

- 自动控制原理(94), C语言程序设计(99)，模拟电子技术(96),数字电子技术(98),线性代数(96),概率论与数理统计(91)，高等数学(86,94)，信号与系统(97)等

科研经历&竞赛经历

- **湘潭大学&University of Leeds航天合作小组** **2021.03 - 2023.03**

项目概述：学习航天人体学工程相关知识，研究在微重力的空间站环境下对航天适应性的影响

负责工作：使用Matlab，SPSS进行实验数据的处理，并以**第一作者发表论文**《Physiological and Psychological Effects of Light Illumination on Hygiene Regions of Space Stations in Short-term Simulations of Gravity and Noise》(HCII(Springer)-2023.04)
参与基于姿态识别的航天器灯光环境系统的**发明专利**撰写，并于2022年5月审查通过(专利申请号：CN202210009757 专利名称：**一种基于姿态识别的航天器灯光环境系统**)

- **第十八届全国大学生智能汽车竞赛** **2023.07.15**

项目概述：设计基于**动态串级PID**、八邻域边缘跟踪等算法的智能小车，使能够依据获得的图像自动循迹、识别元素

负责工作：作为队长，对**图像处理**、**运动控制**及串口通讯等相关部分编写代码，并对成品进行调试。获得**华南赛区一等奖**
在参加智能车竞赛期间，同时参加了**全国大学生电子设计大赛**并获得了**省三等奖**的成绩

- **智能控制课题组** **2023.03 - 至今**

学习经历：学习控制理论，在老师的指导下，利用Matlab配合Cplex与Yalmip工具箱成功的复现了并有关主成分分析，聚类分析，**主从博弈**，**遗传算法**与充电调度方面的文章

所获荣誉

- **奖学金** 2021-2022年度校甲等奖学金、伟人之托奖学金、2020-2021年度校甲等奖学金
- **荣誉称号** 2020—2021年度三好学生、优秀学生干部、2021-2022年度三好学生
- **学科竞赛** 第十八届全国大学生智能汽车竞赛华南赛区一等奖、第四届湖南省机器人大赛省三等奖、全国大学生电子设计竞赛省三等奖

个人技能

- **语言：**MATLAB(系统建模，启发算法), C/C++(单片机编程), Python(模式识别，OpenMV), Markdown(学习笔记)
- **软硬件技能：**能熟练使用MATLAB及其工具箱, Multisim,Keil5,STM32CubeMx, Pycharm, VSCode,VS2022等,具有独立思考的能力

学生工作及志愿经历

- 担任班级班长(2020.09-至今) 曾获优秀班级等5项集体荣誉，具有良好的团队沟通能力
- 任学校保卫处学生助理团助理(勤工助学岗) 每月撰写校园信息安全周报，谨言慎行
- 湖南省机器人大赛优秀志愿者，多次参加“保卫母亲河”志愿活动,获得校先进服务个人荣誉

JunboDong

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15504917080 (Tel)

JunboDong0628@gmail.com (E-mail)
Computer Network Engineer Level 4 (Good)
2/187 & 3.74 (Rank/GPA)
CET-6:427 & CET-4:468 (CET)

Education

Xiangtan University Automation Engineerning 2020 - present

- Automatic Control Principles (94), C Language Programming (99), Analog Electronic Technology (96), Digital Electronic Technology (98), Linear Algebra (96), Signals and Systems (97).

Research Experience & Competition Experience

- **Xiangtan University & University of Leeds Cooperation Group** **2021.03 - 2023.03**

Project Overview: Learn knowledge related to aerospace ergonomics and study the impact on aerospace adaptability in the microgravity space station environment

Responsible work: Use **Matlab** and **SPSS** to process experimental data, and publish the paper "Physiologic al and Psychological Effects of Light Illumination on Hygiene Regions of Space Stations in Short-term Simulations of Gravity and Noise" (HCII (Springer)) as the first author - 2023.04)
Participated in the writing of the **invention patent** for a spacecraft lighting environment system based on attitude recognition, which was reviewed and approved in May 2022 (Patent name: A spacecraft lighting environment system based on attitude recognition)

- **The 18th National College Student Intelligent Car Competition** **2023.03- 2023.07**

Project Overview: Design a smart car based on **dynamic PID**, **eight-neighborhood edge tracking** and other algorithms, so that it can automatically track and identify elements based on the obtained image

Responsible work: As the team leader, write code for **image processing**, **motion control**, serial communication and other related parts, and debug the finished product. Won the **first prize** in the game.
I also participated in the **National College Student Electronic Design Competition** and won the **third prize.**

- **Intelligent Control Research Group** **2023.03 - present**

Learning experience: Learning control theory, under the guidance of the teacher, using **Matlab** with **Cplex** and **Yalmip toolbox**, successfully reproduced articles on **principal component analysis**, cluster analysis, **master-slave game**, **genetic algorithm** and charging scheduling.

Honors and Awards

- **Scholarships** 2021-2022 Academic Year School A Scholarship (First Class), Great Minds Scholarship, 2020-2021 Academic Year School A Scholarship (First Class).
- **Honors** 2020-2021 Academic Year Meritorious Student, Outstanding Student Cadre, 2021-2022 Academic Year Meritorious Student.
- **Competitions** 1st Prize in the 18th National College Student Intelligent Vehicle Competition South China Region, 3rd Prize in the 4th Hunan Province Robot Competition, 3rd Prize in the National College Student Electronic Design Competition at the provincial level.

Skills

- **Languages:** MATLAB (System Modeling, Heuristic Algorithms), C/C++(Microcontroller Programming), Python (Pattern Recognition, OpenMV), Markdown (Study Notes)
- **Software and Hardware Skills:** Proficient in using MATLAB and its toolboxes, Multisim, Keil5, STM32CubeMx, PyCharm, VSCode, Visual Studio, Independent thinking ability

Student Work and Volunteer Experience

- Serving as Class Monitor (September 2020 - Present) , our class have received 5 collective honors, including Outstanding Class, demonstrating strong team communication skills.
- Outstanding Volunteer at the Hunan Province Robot Competition, actively participated in multiple "Protecting Mother River" volunteer activities, and received the Advanced Service Individual Honor at the school.