黄序

15623044740 huangxu@hust.edu.cn

籍贯: 湖北省武汉市 生日: 1993.11.30

通讯地址:湖北省武汉市洪山区珞喻路 1037 号南一楼(430074)

兴趣爱好:阅读、羽毛球、中长跑、骑行、社交舞

校内职务: CERNET 白云黄鹤 BBS 站 HUSTStudent 和 Financing 版主



教育背景

❖ 华中科技大学(**保送**) 控制工程(模式识别、图像处理方向) top 30%

自动化学院 图像信息处理与智能控制教育部重点实验室 硕士 2015.09~2017.06

 ❖ 武汉理工大学
 物联网工程(计算机软件方向)
 top 15%

计算机科学与技术学院 交通物联网技术湖北省重点实验室 本科 2011.09~2015.06

专业技能

熟悉数字图像处理、模式识别理论,能运用 Matlab、Visual Studio、OpenCV 等软件进行处理;

熟悉 C/C++、Matlab、SQL、Shell 等语言程序设计,Git、Docker、Lingo、SPSS 等多种工具;

熟悉操作系统原理、数据结构、计算机算法、物联网组网工程标准、数据挖掘与云计算原理;

熟悉计算机网络,TCP/IP 等协议体系,能用 OPNET、Matlab 等软件进行网络仿真;

能完成图像/视频处理、机器学习、嵌入式、虚拟化、网络通信等方面的开发工作;

了解决策树、随机森林、贝叶斯、SVM、逻辑回归、深度学习等多种机器学习算法,Python、R语言及 Hadoop、Mahout 等工具。

项目情况

❖ 电力巡检机器人(武汉中元华电科技股份有限公司)

2016.08~至今

项目简介:人口红利逐渐消失,传统行业向智能化方向发展,电力巡检机器人替代人工作业是大势所趋,现亟需完成电力巡检机器人的设计与实现。

负责内容: 协助公司完成功能需求以及模式设计,负责实现图像处理、识别等功能。

❖ PET 图像分割算法的优化

2015.03~至今

项目简介:为解决因 PET 图像边缘模糊而其他算法精确度不高的问题,利用各种既有的机器学习方法来优化当前热门分割算法并运用于 PET 图像分割。

负责内容:机器学习方法的收集、架构,特征的提取与集成。参加国际顶级医学成像会议 MICCAI 举办的 PET 分割竞赛,取得前四名的好成绩,被邀出国列席会议并做口头报告。

❖ 智能倒车系统 大学生创新创业训练计划项目

2014.03~2015.01

项目简介:使用 STM32 型单片机结合多种传感器来开发智能倒车系统。

负责内容:项目原理图的设计,传感器采集、模数转换、刹车控制部分代码的实现。

❖ 物联网通信综合应用

2013.09~2014.01

项目简介:使用 Matlab 以及 OPNET 等工具进行通讯仿真,使用以太网、ZigBee 等协议实现片间的数据传输。负责内容:本项目为本人独担,并负责为下届同学编写实验课教程。

获奖情况

华中科技大学一等奖学金,武汉理工大学二、三等奖学金;武汉理工大学"优秀毕业生"称号。 第六届华中地区数学建模竞赛二等奖,武汉理工大学数学建模竞赛三等奖。白云黄鹤 BBS 站 2015 年度十佳版主。

自我评价

- 诚实谦虚,吃苦耐劳,尽职尽责,严谨求实,抗压能力强,好奇心强,喜欢提问、交流、研究;
- 热爱综合性强、应用面广的交叉性岗位,在计算机、机器学习、模式识别、云计算等方面的基础知识较好;
- 通过英语四六级考试,熟练阅读、翻译英文资料。

个人主页: http://hust.cf

个人简历: http://hust.ga

Huang Xu

Nanyi Building , No.1037 Luoyu Road Wuhan , China (430074) (+86)15623044740 huangxu@hust.edu.cn

Hobbies: Badminton, Running, Riding, Waltz, Reading

Duty: Moderators of HUSTStudent & Financing in BYHH BBS of CERNET

Education Experience

M.E. Engineering of Controlling School of Automation top 30%

Huazhong University of Science and Technology (**HUST**) (**Postgraduate Recommendation**) Sep, 2015 - **Jun ,2017**B.E. Engineering of Internet of Things School of Computer Science and Technology top 15%

Wuhan University of Technology (WHUT)

Sep, 2011 - Jun, 2015

Special Skills

- Major in Image Processing and Pattern Recognition, familiar with the use in Matlab, Visual Studio, OpenCV, and etc.
- Familiar with C/C++, Matlab, SQL, Shell, and etc programming language, some tools such as Git, Docker, Lingo;
- Familiar with operating system, data structure, algorithm, IOT engineering standards, and the principle of cloud computing and data mining;
- Familiar with *networking*, the structure of *TCP/IP*, be able to make communication simulation by *OPNET* or *Matlab*.
- Passed College English Test(Band 6), fluent in Mandarin and English;
- Be able to program in the field of *Image/Video*, *Machine Learning*, *Embedded System*, *Virtualization* and *Networking*.
- Be aware of *Decision Trees, Random Forests, Bayesian Model, SVM ,Logistic Regression, Deep Learning* and other machine learning methods, *Python, R, Hadoop* and *Mahout*.
- Got the Qualification Certificates of Banking, Securities, Futures.

Projects

Electrical Inspection Robot

Aug, 2016 - present

Overview: With fewer worker and the trend of intelligent technology, there is a huge market of robot to work for transformer substation.

My Job: Making demand analysis and designing framework, realize the function of image processing and recognition.

Optimization of PET Segmentation Algorithm

Mar, 2015 - present

Overview: Apply current Machine Learning Methods to optimize the algorithms of PET Segmentation.

My Job: Collect and configure the Machine Learning Methods, collect and extract kinds of features. Ranking top 4 in MICCAI 2016 PET Segmentation Challenge, invited to make oral presentation in the meeting.

Intelligent Parking System

Mar,2014 - Jan ,2015

Overview: Realize the system with STM32 chip and other sensors.

My Job: Design schematic, realize the function of information collection, A/D transformation, and brake system.

Communication Integrated Application by Internet of Things

Sep,2013 - Jan ,2014

Overview: Simulate communication by Matlab and OPNET, transfer information within chips by Ethernet and ZigBee . My Job: Realize all of it, and write tutorials for the experiments of juniors.

Awards

First Prize Scholarship of HUST, Second/Third Prize Scholarship of WHUT; honored with WHUT Outstanding Graduates and Outstanding Graduation Thesis as well as Best moderators of BYHH in 2015; The Second Prize of Central China Mathematical Contest in Modeling.

Self-Evaluation

- Honest, hard-working, responsible, rigorous, curious.
- Fond of the position with Comprehensiveness and Wide Application, having a good knowledge of *Compute Science*, , *Machine Learning*, *Pattern Recognition* and *Cloud Computing*.

MY BLOG: http://hust.cf MY RESUME: http://hust.ga