Yin Daheng

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Education

Jiangnan University
Major in Internet of Things
2016.09~2020.09

Cambridge University
Summer School
Global Innovation and
Leaderdship
2017.08~2017.09

Links

WebSite:
yindaheng98.top:8888
Github:**yindaheng98**

Skills

Mathematic
(Course results, out of 100)

Linear Algebra	92
Further Mathematics I	96
Further Mathematics II	97
Probability & Statistics	98
Integral Transforms	100
Discrete Mathematics	94

English

IELTS	6.5
CET6	576

Programming
(Lines of code)

Latex	14142
Python	9808
matlab	6216
Java	6030
Javascript	3873
HTML	3816
PHP	3646
C#	1834

Parallel Programming
Familiar
Athread(Sunway TaihuLight) •
SIMD
Knowledge
CUDA • MPI

Cloud Computing
Familiar
Docker • Docker-compose
Knowledge
Ubuntu Server

Research & Development

Develop new comprehensive condition assessment tool for uremic patients based on bioimpedance analysis and data mining
2018.12~currently | Jiangnan University/Department of Nephrology, Wuxi People's Hospital
- Project background: current bioimpedance analysis method is inaccurate; assay in comprehensive condition assessment for uremic patients is expensive and time consuming
- Project content: mining clinical data, reveal the relationship between bioimpedance and patient's condition, develop a comprehensive condition assessment machine

Mlpack migration on Sunway Platfrom
2019.04~currently | Supercomputer Club, JNU/Software department, Sunway R&D Group
- Darknet has been migrated, mlpack will be migrated next
- Current outcomes: finished a textbook for club member training during migration

Projects

ExpertField   2019.03 | Leader
- Aiming at field data collection, both artificial(Android App) and automatic(STM32)
- 9 cooperators, nearly 10,000 lines of code, a complete IoT system
- Will be deployed in Institute of Plant Physiology & Ecology, CAS
- A fast deployable combined microservice system based on docker-compose

WebSiteAnalysisKit   2018.12 | Cooperator
- Patent applied: A user behavior analysis platform based on cloud computing and big data analysis
- Use JavaScript for user behavior capture, use Python for user behavior analysis, use Hadoop for user hierarchical clustering, use Echarts for visualization

Calendars   2017.10 | Leader
- A cross-platform web application that integrates daily affairs, curriculum, achievement management, and project planning
- 5 cooperators, 4000 lines of code, running on 2 aliyun servers and 1 physical server
- Implemented multi-person instant process graph editing and a high-flow curriculum query component using Redis blocking queue and long polling

Awards

2019.05	National Outsourcing Innovation Competition	3rd Prize
2019.04	COMAP's Mathematical Contest in Modeling	S Prize
2018.11	Jiangnan University Academic Scholarship(2016-2017)	1st Prize
2018.09	National College Mathematical Contest in Modeling	2nd Prize(National)
2017.11	9th National College Mathematical Contest	2nd Prize(Provincial)
2017.11	National Scholarship(2016-2017)	
2017.05	14th Jiangsu College Mathematical Contest	1st Prize
2017.03	Admitted by the Honor School, Jiangnan University	

Personal Statement

Research interest
- Applied: Cloud computing, Parallel computing, Medical data mining
- Theoretical: Machine Learning Algorithm

Personal qualities
- After two mathematical contests and two mathematical contests in modeling, I have a good mathematical abstraction and modeling ability
- After 35 thousand lines of coding, I have good coding and architectural ability
- Hosted 3 development projects and cooperated variety of projects, I have a good spirit of cooperation and leadership