



满俊恺

电话: +86-18112525945

电子邮件: junkai.man@duke.edu

领英网址: <https://www.linkedin.com/in/junkaiman>

地址: 中国江苏昆山杜克大道8号昆山杜克大学 215316

背景综述

热情、有活力、创造力丰富, 具有国际化视野, 善于协商、沟通交流, 与他人相处融洽, 在团队合作中考虑细致周到, 能在团队发展中提出有建设意义的意见, 乐于为团队与兴趣爱好付出。

教育背景

2019-2023	昆山杜克大学	江苏昆山	本科								
	<ul style="list-style-type: none">数据科学专业GPA: 3.80/4.00获得1/4奖学金、优秀学生名单相关课程:<table><tr><td>数据结构导论 (Java)</td><td>A</td><td>计算机图形学</td><td>A+</td></tr><tr><td>数据科学导论</td><td>A</td><td>概率与统计 (Advanced)</td><td>B+</td></tr></table>	数据结构导论 (Java)	A	计算机图形学	A+	数据科学导论	A	概率与统计 (Advanced)	B+		
数据结构导论 (Java)	A	计算机图形学	A+								
数据科学导论	A	概率与统计 (Advanced)	B+								
2022.1-5	杜克大学	美国 北卡罗莱纳州	本科								
	<ul style="list-style-type: none">交换学期项目 (春季学期)预计选修计算机科学、软件设计课程										

技术栈

- 数据分析: **熟练使用** Jupyter Notebook、Pandas、Numpy、Plotly
- 数据科学: **熟悉** Tensorflow 框架
- 前端: **熟悉** HTML+CSS, Vue.js, **了解** React.js、微信小程序开发框架
- 后端: **熟练使用** Node.js, **熟悉** Java、Python, **了解** Go、C++
- 数据库: **熟悉** MongoDB, MySQL, **了解** 基本的 SQL、NoSQL 模式
- DevOps: **熟悉** Docker、Express.js、Linux, **了解** Hadoop、Flink

实习经历

2021.6-2021.8	数据挖掘实习生	广东广州	中国联通(沃音乐业务部门)
	<ul style="list-style-type: none">通过数据科学方法借助深度神经网络对用户端行为习惯进行建模分析、大规模创建并储存用户画像, 向用户定向推送个性化内容协助部署移动端内容推荐系统, 将Hadoop离线学习模型迁移至Flink实时推荐系统。优化后显著提升了推荐系统的精准度和实时响应速度, 将相关业务的视频完播率提高至原先的110%协助优化其他基于Hadoop/Flink框架的批处理、流处理系统		
2020.1-2020.12	创新创业中心学生助理 (校内实习)	江苏昆山	昆山杜克大学
	<ul style="list-style-type: none">邀请创业者与学生创业团队分享、交流协助组织工作坊、讲座、创新峰会撰写公众号文章、推广创新创业中心活动		

项目经历

2020.6-至今	Gallinula - DKU校内论坛应用	江苏昆山	共同创始人/开发者
	<ul style="list-style-type: none">项目链接: http://gallinula.com3人团队开发的校内论坛应用, 前后端分离, 基于MEVN技术栈实现跨平台高效开发, 代码复用率高。已上线iOS、安卓、微信小程序端, 并推广至校内使用。负责微信小程序开发、后端开发、服务器部署及维护。同时, 作为共同创始人, 参与管理Gallinula社区的推广运营, 聆听用户反馈。采用MEVN技术栈 (即MongoDB, Express, Vue.js, Node.js架构) 实现低成本快速开发, 使项目从提出到发布alpha内测版本的时间缩短至两个月。使用JWT鉴权机制提高api接口安全性, 同时实现用户鉴权、用户组权限等功能, 使得平台更符合访客、同学、教职工不同身份用户使用。使用bcrypt加盐的方式加密用户敏感数据, 减小了数据库泄露带来的风险。前端开发时采用双token机制实现用户登录, 方便实现对微信小程序登录态的维护。		
2021.3-2021.6	AiAging.net 生理年龄计算工具Demo	江苏昆山	全栈开发
	<ul style="list-style-type: none">项目链接: http://AiAging.net个人独立开发。基于全球健康研究中心吴晨凯教授及其团队 (http://chenkaiwu.com) 学术研究成果, 根据团队需求接入已训练模型、设计前后端结构并部署到生产环境, 用于该科研项目官方的对外展示、项目汇报等场景。全栈开发、单页面应用, 基于Vue.js + Django的技术栈, 快速高效对接后端机器学习模型。前后端分离, 满		

足了后端快速迭代的需求。

- 针对移动端、平板端、PC端多场景访问的需求，采用了Responsive自适应网页设计。
- 针对Django后端并发效率低的情况，前置添加Nginx+uWSGI进行托管，在原先机器性能低下的条件下，将高并发响应成功率提高至300%。
- 针对后端机器学习依赖包多、版本固定的情况，后端采用Docker为容器，可在任何计算资源上快速部署、启动，确保服务不掉线。

2021.1–2021.8 **Dii portal – 创新孵化器项目管理后台** **江苏昆山** **后端开发**

- 内部项目，UI/UX展示页面可[由此访问](#)
- 4人团队开发。针对校内创新孵化器(Dii)设计开发了一套集申请、审核、管理、孵化培养于一体的后台管理系统。前后端分离，采用成熟的MERN技术栈针对桌面端进行开发。大大提高了学生申请项目、管理人员审核、管理项目的效率。
- 对接孵化器项目leader，拆分需求、细化功能，对齐leader与UI/UX设计、开发之间的思路，并定期向leader汇报进度。
- 负责后端开发，以及部分前端React页面的layout.

语言技能

- 中文：母语水平
- 英语：能无障碍口语交流，能熟练阅读和翻译专业文献和著作

能力证书

2020.8 **Google IT 技术支持证书**

- 由Google颁发，在Coursera上完成相应的IT技术支持课程。
- 完成超过150小时的在线课程，并通过考试。

2018.8 **中国青少年科技创新大赛三等奖** **国家级**

- 与同学组队参加比赛，参与开发“基于树莓派开发版的超声波乐器”项目，借助超声波测距，根据距离远近播放不同音高，设计出一种更具便利性的儿童玩具与电子乐器。
- 在Python程序设计和外观设计做出主要贡献。

其他兴趣

- 热爱科技、艺术、音乐
- 视觉设计，游戏设计，数字媒体与技术
- 业余音乐制作者
- 钢琴考试等级 6 级
- 个人网站 <https://keon.im>

JUNKAI MAN

(+86) 181 1252 5945 • junkai.man@duke.edu • [linkedin.com/in/junkaiman](https://www.linkedin.com/in/junkaiman) • keon.im

EDUCATION

Duke Kunshan University

May 2023

Data Science

Kunshan, China

- Dual-degree program with Duke University, NC
- ¼ entrance scholarships received, on Dean's List.
- GPA 3.80/4.00
- Registered Courses: Introduction to Data Structure A Computer Graphics A+
 Introduction to Data Science A Probability & Statistics B+

Duke University

January 2022

Undergraduate program

Durham, NC

- Exchange semester
- Intended to enroll in Software Design and Computer Science classes

TECHNOLOGY STACK

- Data Analysis: **Proficient** at Jupyter Notebook, Pandas, Numpy, Plotly
- Data Science: **Advanced beginner** of Tensorflow
- Front-end: **Advanced beginner** of HTML+CSS, Vue.js. **Beginner** of the React.js, Wechat-miniprogram framework
- Back-end: **Proficient** at Node.js, Java. **Advanced beginner** of Python, Go, C++
- Database: **Advanced beginner** of MongoDB, MySQL. **Familiar** with both SQL and NoSQL mechanisms
- DevOps: **Advanced beginner** of Docker, Express.js, Linux, **Beginner** of Hadoop, Apache Flink

INTERNSHIP EXPERIENCES

China Unicom (Wo Music)

June – August 2021

Data Mining Intern

Guangzhou, China

- User behavior modeling via the Data Science approaches and Deep Neural Networks.
- Assist in deploying a content recommendation system to millions of mobile ends.
- Assist adjusting and optimizing the distributed batch processing and stream processing using Hadoop and Flink frameworks.

DKU Innovation & Entrepreneurship Initiative

January –December 2020

Student Assistant

Suzhou, China

- Invite entrepreneurs and aspiring student entrepreneurs to share and communicate.
- Assist organizing workshops, lecture, and innovation summit for each semester.
- Write summary articles and promote activities of the department.

PROJECT EXPERIENCES

Gallinula – A Forum App for DKU students

June 2020 - now

Co-founder/ Leading Programmer

Suzhou, China

- Link: <http://gallinula.com>
- An exclusive campus forum app developed by a team of three undergraduates. Front-end and back-end separated with the MEVN stack and highly-resuable code for rapid development purpose. Released on iOS, Android, Wechat-miniprogram, and is brought to the campus.
- In charge of the development of Wechat-miniprogram front-end, Node.js back-end system, and the deployment of service. Meanwhile as the cofounder of the service, I actively engage in the operation of the Gallinula community and listen to users' feedbacks.
- Adopt the MEVN stack (i.e. MongoDB+Express.js+Vue.js+Node.js) to achieve the rapid development at lower cost, which successfully reduced the development time to 2 months.

- Adopt the JWT authentication mechanism to improve the security of api interface and implement the user groups system making the platform more compatible with multiple user identities. Adopt the bcrypt encryption for sensitive user data to reduce the risk of database leakage.
- Engage in the operation of Gallinula community, collect user feedback and accelerate the promotion of the product.

AiAging.net Physiological Age Calculator

March – June 2021

Full-stack Developer

Suzhou, China

- Link: <http://AiAging.net>
- Based on the academic research of Prof. Chenkai Wu and his team at DKU-GHRC (<http://chenkaiwu.com>). Respond to the team's needs, design and deploy the full-stack WEB service for calculating physiological age based on their trained ML model. The website is now adopted by the team and is used in multiple scenarios like project report and to public presentation.
- Responsive web design for mobile, tablet, and PC scenarios. Benefited by the Vue.js + Django tech stack, the service was fast built and deployed online.
- In response to the low concurrency efficiency of Django backend, Nginx and uWSGI architecture is deployed prior to the service, which increases the success rate of concurrency response to 300%.
- For the situation that the backend environment is complex with plenty dependencies and fixed version of software, the Docker container is used, which makes the service can be fast deployed on any computing resource to ensure that the service is always online.

Dii portal - Backend Management System for Incubator Project

January – August 2021

Back-end Developer

Suzhou, China

- Exclusive project, UI/UX design can be viewed [here](#)
- Developed by a team of 4 people. Designed and developed a backend management system integrating Application, Review, Management, and Incubation processes for the on-campus innovation incubator (Dii). The front-end and back-end is separated using the matured MERN stack. The product improves the efficiency of application and management on both students' and supervisors' sides.
- Listen to the leaders' demands and assist in splitting the requirements, refining functionalities. Help communication between development team and UI/UX designer, and report project progress to the leader regularly.
- Responsible for the Node.js back-end development and part of the React.js pages.

LANGUAGE SKILLS

- Chinese: Native proficiency
- English: Professional working proficiency

CERTIFICATES

Google IT Support Certificate

Aug 2020

- Offered by Google on Coursera
- Complete over 150 hours of online study, pass through examinational tests.

The National 3rd Prize of the 33rd CASTIC

Aug 2018

- China Adolescents S&T Innovation Contest
- Member of a team of two students, developed a more accessible toy for young children.
- Great contributor to the project, contributing to programming and appearance designing.

INTERESTS

- Graphic design, Game design, Media art and technology
- Care about contemporary art & digital media art.
- Amateur electronic music producer. Piano player, Grade 6
- <https://keon.im>