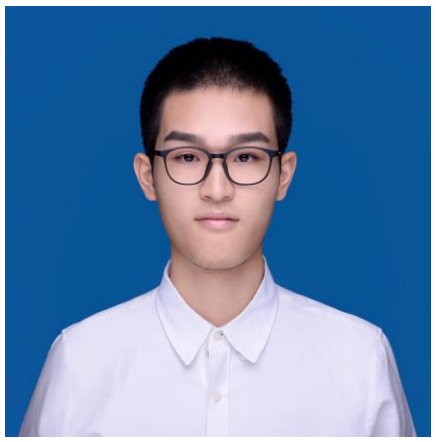


个人基本信息

姓　　名： 金森杰　　**性　　别：** 男

电　　话： 19180913964　　**邮　　箱：** 302957483@qq.com

民　　族： 汉族　　**政治面貌：** 共青团员

本科院校： 四川大学　　**院系专业：** 计算机学院 物联网工程

GPA： 3.85/4.0　　**加权均分：** 91.08/100.0

联系地址： 四川省成都市双流区四川大学江安校区西园 18 舍 2-602C

申请项目

学校名称： 香港中文大学（深圳）　　**申请项目：** 数据科学　　**学历学位：** 全日制硕士

荣誉与获奖经历

时间：	荣誉或奖励：	相关机构：
10/2019	优秀学生干部	四川大学
10/2019	综合一等奖学金	四川大学
11/2019	全国大学生数学竞赛（非数学类）二等奖	中国数学会
10/2020	优秀学生	四川大学
10/2020	综合三等奖学金	四川大学
12/2020	全国大学生数学建模竞赛四川省二等奖	中国工业与应用数学学会
11/2020	国家级“大学生创新创业训练计划”	四川大学

项目经验

项目名称： 基于文本分类和智能运维的短信平台智能化　　**项目时间：** 2019.11-2020.09　　**项目职位：** 主要成员

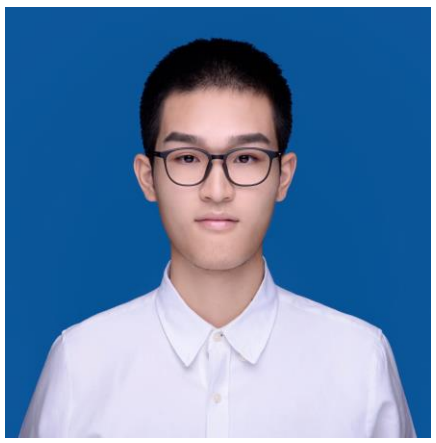
项目描述： 采用机器学习、数据挖掘或深度学习等方法，来解决 KPI 异常检测、故障根因分析、容量预测等运维领域中的关键问题；关键性能指标，本项目中特指服务器 CPU、内存和硬盘占用率，时间序列分析 -> 挖掘其周期性、季节性，从而进行异常检测.

1.智能运维：基于 VAE 的无监督异常侦测算法，VAE 加入了噪声扰动，可以使得记住的正常模式带有一定的噪声鲁棒性。并通过对已知异常值和缺失值的权重处理，减少已知异常和缺失值对正常模式的影响；训练数据，某两个月服务器的真实数据、无标签，基于 TensorFlow 搭建神经网络，以 session 的方式为 CPU、内存和硬盘的 KPI 分别训练模型，对输出结果进行聚类，一定程度上减轻了异常阈值设定对最终结果的影响。

2.文本分类：基于 Weka 的决策树，数据挖掘开源软件，集合了大量的机器学习和相关技术。采用 Ansj 分词对文本进行分词过滤器将分词后文本转为词向量形式，J48 决策树进行分类，本质为 C4.5 决策树。

自我评价：

老师们好，我叫金森杰，名字中“木”寄托着我父母对我栋梁之材的期盼，我也努力着去把事情做好。对于学习，我有着明确的目标与规划。我本科前四学期的学业成绩排名为 3/38,同时，我也参加了很多专业竞赛来扩充自己的知识储备与视野深度，在同学的合作下我成功结题国家级大创——基于文本分类和智能运维的短信平台智能化；我热爱数学并获得了一些奖项，这也是我选择数据科学项目的重要原因。 此外，院会体育部与校学生会办公室的工作使我的社交组织能力得到了充分锻炼。从初中起，我就热衷志愿服务与公益事业，志愿服务也让我的性格变得开朗。我通过自学，在小学期项目编程实战中取得优异成绩，证明了我有不错的钻研能力。乐观、坚强、奋进是我对大学不变的态度，我会为自己热衷的事一步步努力。



personal information

Name: Jin Senjie

Gender: Male

Phone No.: 19180913964

E - mail: 302957483@qq.com

Nationality: Han nationality

Political status: Communist Youth League member

University: Sichuan University

Department： College of Computer Science

GPA: 3.85/4.0

Scores: 91.08/100.0

Address: Jiang'an Campus, Sichuan University, Shuangliu District, Chengdu, Sichuan Province

Application Project

School Name: CUHK（shenzhen）

Application Project: Master of Science in Data Science

Honors and awards

Time:	Honor or award:	Related agencies:
10/2019	Outstanding student leaders	Sichuan University
10/2019	Comprehensive first-class scholarship	Sichuan University
11/2019	Second Prize of National College Student Mathematics Competition (non-mathematics)	Chinese Mathematical Society
10/2020	outstanding student	Sichuan University
10/2020	Comprehensive third-class scholarship	Sichuan University
12/2020	Second Prize of Sichuan Province in the National College Students Mathematical Contest in Modeling	Chinese Society of Industrial and Applied Mathematics
11/2020	National "University Student Innovation and Entrepreneurship Training Program"	Sichuan University

Project experience

Project Name: Intelligent SMS platform based on text classification and intelligent operation and maintenance

Project Time: 2019.11-2020.09

Project Description: Use machine learning, data mining or deep learning methods to solve key problems in the operation and maintenance fields such as KPI anomaly detection, fault root cause analysis, capacity prediction, etc. key performance indicators, in this project, specifically refer to server CPU, memory and hard disk occupancy Rate, time series analysis -> mining its periodicity and seasonality, so as to perform anomaly detection.

1. Intelligent operation and maintenance：Based on the unsupervised anomaly detection algorithm of VAE, VAE adds noise disturbance, which can make the remembered normal mode with certain noise robustness. And through the weight processing of known outliers and missing values, reduce the influence of known anomalies and missing values on the normal mode; training data, real data of a two-month server, without labels, build a neural network based on TensorFlow, and use session. The method is to train the model separately for the KPI of CPU, memory and hard disk, and cluster the output results, which reduces the influence of abnormal threshold setting on the final result to a certain extent.
2. Text Categorization：Based on Weka's decision tree, data mining open source software, a large number

of machine learning and related technologies have been assembled. Use Ansj word segmentation to perform word segmentation filter to convert the segmented text into word vector form, and J48 decision tree for classification, which is essentially a C4.5 decision tree.

Self-evaluation:

Hello, teachers, my name is Jin Senjie, and the "wood" in the name entrusts my parents' expectations for my pillars, and I am also working hard to do things well. For learning, I have clear goals and plans. My academic performance ranking for the first four semesters of undergraduate was 3/38. At the same time, I also participated in many professional competitions to expand my knowledge reserve, and with the cooperation of my classmates, I successfully completed a national-level University Student Innovation and Entrepreneurship Training Program——an intelligent SMS platform based on text classification and intelligent operation and maintenance. I love mathematics and I have won some awards, which is also an important reason why I choose a data science project. In addition, the work of the college sports department and the school student union office made my social organization skills get full exercise. Since junior high school, I have been passionate about volunteer service and public welfare. Volunteer service has also made my personality cheerful. The excellent results in the actual programming of the project prove that I have a good research ability. Optimistic, strong, and hardworking are my unchanging attitudes towards university, and I will be passionate about myself work hard step by step.