

徐嘉

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教育背景

宾夕法尼亚大学, QS#13, 硕士	费城, 美国
• 社会政策与实践学院, 数据分析社会政策, GPA: 3.9 / 4.0, 学院入学奖学金	2023.05 毕业
• 相关课程: 数据挖掘, 大数据分析, 人工智能, 机器学习, 数据科学, 应用线性建模, 算法治理等	
牛津大学, QS#4, 暑校 AI for Global Goals	牛津, 英国
• 机器学习 (ML × Finance, ML × Health)	2022.08 - 2022.08
南京财经大学, 本科	南京, 中国
• 应用数学学院, 数学与应用数学, GPA: 3.7 / 4.0, 2021 年江苏省优秀毕业生, 一等学习奖学金	2021.06 毕业

工作经历

Wharton Customer Analytics, 技术助理	费城, 美国
• 与多家龙头企业合作, 处理分析真实公司与行业数据, 搭建模型	2022.08 - 2022.12
• 在技术研讨会和培训计划中为学生提供实践支持, 构建课程材料, 并参与 WCA 年度会议等行业活动	
Shen Lab, 宾夕法尼亚大学医学院, 研究助理	费城, 美国
宾夕法尼亚大学健康老龄化人工智能技术合作中心-技术核心 NLP (Python, MySQL, Neo4j)	2021.12 - 至今
• 与利益相关者和学术、行业专家合作, 结合自动化自然语言处理和专家策划, 调用 NCBO BioPortal Ontology API 自动注释实例, 将输出提取映射, 从文献数据库中提取药物治疗方法与药物相互作用等词条	
• 应用 Neo4j 搭建阿兹海默症研究的门户网站, 为技术鉴定和培训建立中央资源和知识库	
阿兹海默症各阶段中的 DEI (多样性、公平性和包容性) 特殊问题	2022.04 - 至今
• 结合阿兹海默症不同阶段的发展, 分析当下阿兹海默症人工智能技术中的伦理道德与政策问题	
KPMG 毕马威华振会计师事务所上海分所	上海, 中国
ITS 数据分析实习生 (Power BI, Python)	2021.04 - 2021.05
• 使用 Python 和 Power BI 执行公司内部数据处理分析, 为每周会议设计 Dashboard	
• 为审计数据分析团队搭建报表分析自动化 Pipeline	

项目经历

富顿银行客户风险管理违约预测, 客户分析数据马拉松 沃顿商学院 (Python)	2022.03 - 2022.04
• 探索性数据分析后基于线性判别分析、决策树、XGBoost 模型效果选择最优模型, 为富顿银行提供风险管理策略	
• 交叉对比优化模型和探索性数据分析的结果, 构建潜在违约的客户群体画像	
印度空气质量指数预测 (Python, Plotly)	2022.03 - 2022.04
• 搭建线性回归、梯度增强回归、神经网络和 SARIMA 时间序列预测模型, 预测印度站点层面的空气质量指数	
• 评估得出印度空气质量背后的空间、时间模式和特征重要性方面的问题与挑战	

论文

- Simplified Analysis of MHD Flow in A Porous Surrounding Bounded by An Oscillating Vertical Cylindrical Surface, Case Studies in Thermal Engineering (SCI Q1, 影响因子: 6.268), 第二作者
- Denoising of ECG Signals Based on CEEMDAN, IEEE, 通讯作者
- Analysis of the Correlation and Regional Distribution of Plastic Waste Pollution, EI, 第一作者

技能

计算机: Python, R, SQL, Power BI, Tableau, C, ArcGIS, MATLAB, LaTeX, RapidMiner, Microsoft Office Suite

框架/工具: MySQL, Spark, Mxnet, Git, Netlify, AWS EC2, RAPIDS, Dask

证书: IBM 数据科学专业证书, ACCA (国际注册会计师) 通过 8 门

语言: 英语 (熟练, 雅思 IELTS 7.0)

兴趣: 钢琴, 摄影, 单车, 有氧拳击, 羽毛球, 美食, 阅读

竞赛荣誉

2022 Wharton People Analytics Global Student Case Competition 特等奖提名 (宾大内部员工流失分析与策略)

2022 Fulton Bank Datathon 第一名 (\$1,500 奖金, 客户违约预测)

2021 江苏省优秀毕业生

2020 全国大学生数学建模竞赛全国二等奖 (队长, 中小微企业信贷策略)

2020 美国大学生数学建模竞赛特等奖提名 (队长)

2020 亚太地区大学生数学建模竞赛二等奖 (队长)

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EDUCATION

University of Pennsylvania	Philadelphia, PA, United States
Data Analytics Master of Science in Social Policy (With Scholarship)	August 2021 – May 2023
<ul style="list-style-type: none">Overall GPA: 3.9 / 4.0; Courses: Modern Data Mining, Big Data Analytics, Artificial Intelligence, Practical Machine Learning Methods, Programming for Data Science, Applied Linear Modeling, and Algorithmic Governance, etc.	
University of Oxford	Oxford, United Kingdom
<ul style="list-style-type: none">Machine Learning (ML × Finance, ML × Health), Summer Session, AI for Global Goal	June 2022 – August 2022
Nanjing University of Finance and Economics	Nanjing, JS, China
Mathematics and Applied Mathematics, School of Applied Mathematics	September 2017 – June 2021
<ul style="list-style-type: none">Overall GPA: 3.7 / 4.0 (WES Certification, rank – top 10%)	

PROFESSIONAL EXPERIENCE

Wharton Customer Analytics, Technical Assistant	Philadelphia, PA, United States
<ul style="list-style-type: none">Worked with leading company and industry data to help companies solve business challengeProvided hands-on support and built course materials to students in technical seminars and training programs	
Shen Lab, Perelman School of Medicine, University of Pennsylvania, Research Assistant	Philadelphia, PA, United States
Penn Artificial Intelligence Technology Collaboratory for Healthy Aging Tech Core	December 2021 – Present
<ul style="list-style-type: none">Collaborated with stakeholders and experts to combine automated natural language processing and expert curationUtilized the NCBO BioPortal Ontology API to automatically annotate instances and map output to extract drug terms	
Ethics and policy issues in the different stages of Alzheimer's disease	April 2022 – Present
<ul style="list-style-type: none">Analyzing ethical and policy issues in contemporary AI technology for Alzheimer's disease	
KPMG	Shanghai, China
IT - Data Analyst Intern	April 2021 – June 2021
<ul style="list-style-type: none">Performed in-house data processing analysis using Python and Power BI, designed Dashboard for weekly meetingsBuilt dashboard model automation pipeline for audit data analysis team	

PROJECTS

Fulton Bank Customer Default Prediction, Risk Management (Python)	March 2022 – April 2022
<ul style="list-style-type: none">Performed exploratory data analysis, model selections, result interpretations to recommendations to Fulton bank's risk management strategies based on best-performing models, Linear Discriminant Analysis, Decision Tree, XGBoost models.Cross-referenced the results of the optimized models and our exploratory data analysis to find clusters of customers who are most likely to default.	
Indian Air Quality Index Prediction (Python, Plotly)	March 2022 – April 2022
<ul style="list-style-type: none">Built Linear Regression, Gradient Boosting Regression, Neural Networks, and SARIMA models to predict air quality index at the site level in IndiaAssessed issues and challenges in deriving the spatial, temporal patterns and features significance behind air pollution	

PUBLICATIONS

- Simplified Analysis of MHD Flow in A Porous Surrounding Bounded by An Oscillating Vertical Cylindrical Surface, Case Studies in Thermal Engineering (SCI Q1, IF: 6.268), second author
- Denoising of ECG Signals Based on CEEMDAN, IEEE, communication author
- Analysis of the Correlation and Regional Distribution of Plastic Waste Pollution, EI, first author

SELECTED AWARDS AND HONORS

Finalist in 2022 Wharton People Analytics Global Student Case Competition	May 2022
1 st Place Prize in Wharton Customer Analytics and Fulton Bank Datathon 2022 (\$1,500 Team Prize)	April 2022
Outstanding Undergraduate Graduate in Jiangsu Province	May 2021
National Second Prize, China Mathematical Contest in Modeling	November 2020
Interdisciplinary Contest in Modeling Finalist	April 2020

SKILLS

Languages: Python, R, SQL, Power BI, Tableau, C, ArcGIS, MATLAB, LaTeX, RapidMiner, Microsoft Office Suite
Frameworks/Tools: MySQL, Spark, Mxnet, Git, Netlify, AWS EC2, RAPIDS, Dask
Certifications: IBM Professional Certificate in Data Science, Passed 8 subjects in ACCA
English: Proficient, IELTS 7.0
Interests: Piano, Photography, Spin, Cardio Kickboxing, Badminton, Reading