SHI RUN KANG

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Education

- University College Dublin, MSc Computer Science (2:2 honors)   2018-2019
- University of Sheffield, MSc with Merit in Data Science (2:1 honors)   2015-2016
- Wuhan University, BMgt in Librarianship (79/100 average)   2011-2015

Technical Skills

- Proficient: OOP (**Python, Java**), Data analysis (**R, SQL, Teradata**), Data engineering (**SQL, MongoDB, Apache Cassandra, Spark, Apache Airflow**), Business analysis tools (**SPSS, Tableau**), Cloud computing platform (**AWS**), version control (**Git**)
- Moderate: Machine Learning (**supervised/unsupervised learning, deep learning**), IT support (**networking, OS, system administration, IT infrastructure, IT security**)

Project

- **Sakila Movie Database Investigation (PostgreSQL)**
  - Complex join between multiple permanent/temporary tables
  - SQL aggregations, window functions, subqueries
- **Sparkify Music Database Administration (Python for Data Engineering)**
  - RDBMS(PostgreSQL)
  - Apache Airflow
  - AWS Redshift
- **Jing's Data Collector (Python Applet)**
  - API data collector
  - Dataframe operating
  - Non-STEM background user friendly
- **Identify Customer Segment (Python Data Analysis)**
  - Complicated data pre-processing
  - Unsupervised learning based on marketing data

Work Experience

Investigation Specialist   Amazon, Cork   2020 April –

- Selling Partner Authorization Internal, Nautilus, Ramp Console, Calypso, RADAR, and Paragon;
- Exceeded the required metric by delivering over 100 SIV verification results every day with good quality;
- Audited and analyzed tasks results via Quip tool and Microsoft tools, finding reports to case managers to improve and ensure suspicious patterns could be updated on time;

Techno Librarian   Sichuan provincial library, Chengdu   2017 Dec-2018 Jul

- Translated Ex Libris (China) technical documents for techno-librarian training.

- Collaborated with colleagues, software developers and hardware suppliers for library server update and maintenance.

Data Analyst   Beijing Greatsoft Co. Ltd, Beijing   2017 May-2017 Nov
- Use query language(MySQL) to output the medical price data and generate daily price monitoring reports by Python notebook to provide decision support to the Department of Health's Medicare insurance reform plan.

Graduate Engineer   State Information Centre, Beijing   2016 Oct-2017 May
- Design information system for food price monitoring, ambulance service, telecommuting base on consulting report, meeting and on-the-spot investigation (80 percent time on travel and on-call required).

Intern   Klood Digital Co. Ltd, Milton Keynes   2016 Aug (8 weeks)
- Be responsible for code frame design, data collection, content analysis, data visualization, and presentation based on customer service tweets offered by HSBC, RBS, Halifax, etc.

Intern Librarian   National Library of China, Beijing   2014 Jun (8 weeks)
- National Library of China paid TV channel's update and maintenance
- Academic reference for Institute of Population & Labor Economics, Chinese Academy of Social Science

Additional Skills
- Team collaborator (Worked with 8 multi-national colleagues in Klood Digital project)
- Strong pressure resistance (Perfectly deal with close deadline and on-call work)
- Self study and motivation (Study IT and business knowledge on MOOC platform and free resource on YouTube)
- Problem solving ability (Develop applet for non-STEM friend to solve their problem)
- Tech Advocate (Maintaining remote repository on GitHub based on self-motivation and real-world need)

Achievements
2016 Klood Academy Scholarship (1000 Pounds)

Self-Study Certificate
- Managing big data with MySQL –Duke University
- Introduction to MongoDB –MongoDB
- Python for Everybody –University of Michigan
- AWS Fundementals: Going Cloud-Native –AWS
- Udacity Nanodegree –Programming for Data Science with Python