Wentao Gu

January 13, 1999 👤

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EDUCATION

2023.01-Now	National University of Singapore	Mathematics (Master)
2017.09-2021.06	East China Normal University	Statistics (Bachelor)

Specialization in financial engineering, with minor degree in accounting. WES:3.43/4.

JOB EXPERIENCE

2021.07-2022.12   China Pacific Insurance (Group) Co.,Ltd.   Digital Analysis

Job description:

- Build, implement and maintain analytic systems related to actuarial performance/fraud detection etc. Including data mining, data automation(py-selenium or RPA), developing predictive models(mostly regression &tree-based models) and exporting BI dashboards(FineBI, can handle js/html5/css).
- Design, maintain and optimize database objects(tables,indexes,store procedures etc) &ETL processes. Manage database security and audit &recovery(binlog).
- Investigate business requirements and write technical documents(incl axure software prototype design).
- Design, build and maintain a risk platform. (text-to-sql, can help non-tech roles to filter data from main database for compliance and schedule dozens of database tasks by order or trigger).

2021.11-2022.06   China Pacific Insurance (Group) Co.,Ltd.   Workflow Monitoring (Intern)

Job description:

- Collaborate with various team to coordinate efforts relating to data collection, governance and data cleaning activities. Including developing a centralized data dictionary, implementing automation tasks for SQL (stored procedures and functions), leading a 3-developers teams to build a data entry website(C#).
- Completing researches in automobile fraud. Including using dhash algorithm to compare image similarity, classification on risky repair shops using k-means based on geometry features.

CERTIFICATE

MySQL 5.7 Database administrator | Oracle university | 2022
Financial Risk Manager(FRM®) | Global Association of Risk Professionals(GARP) | 2022
Pre-Actuarial Foundation(ASA in progress) | Society of Actuaries(SOA) | 2022

SKILLS

Honor Distinction in CS2160 Programming C++ and STAT3252 Stochastic Process.
Experienced in developing with Python, SQL, UiPath, HTML5&CSS, Excel(VBA) and was familiar with C++, C# and Linux system.
Experienced in deep learning with google cloud suite(VGG) as a RA in computational chemistry laboratory from Mar to Jun 2020.