KANGHENG LIU

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Education

Georgetown University	**Sep. 2023 –**
Master of Science in Data Science and Analytics	*Washinton D.C.*
Lanzhou University	**Sep. 2019 – Jun. 2023**
Bachelor of Science in Data Science	*Lanzhou, China*

Experience

Huawei Inc. & Lanzhou University　　　　　　　　　　　　　　　　　　　**Jul. 2021 – Aug. 2021**
Teaching Assistant in Summer Class　　　　　　　　　　　　　　　　　　　　　　*Lanzhou, China*

- Worked on extensive Linux Data Mining deployment with OpenEuler® operating system. Assisted the teachers and students to debug the experiments;
- Learned about the possible innovation points of the current software solutions of data science, e.g. independent optimization of the OpenGauss relational database system on the ARM instruction architecture, adoption of the automatic differentiation technology on mindspore, code transformation methods, etc

Summer Practicum, School of Information Science and Engineering, Lanzhou University　　**Jul. 2021**
Teaching Assistant　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Lanzhou, China*

- Assisted in experimenting and testing of Distributed Relational Database System GaussDB®.

School of Data Science and Analytics, Georgetown University　　　　　　　　　　　**Sept. 2023**
Teaching Assistant　　　　　　　　　　　　　　　　　*Washinton D.C., United States of America*

- Assisted in Neural Network and Deep Learning curriculum.

Projects

Intelligent Campus Oriented Emotion Recognition and Depression Assistance System |
Python, SQL, NLP　　　　　　　　　　　　　　　　　　　　　　　**Mar. 2022 - Nov. 2022**

- Worked on data collection (information collection, text semantic analysis and classification) as well as pipelining to the back end of the application.
- Written handler on MySQL database with SQLalchemy extension library.
- Performed semantic analysis with Natural Language Processing.

Design and Implementation of Telemedicine System |
Software Development Cycle Management, Data flow design, Database Architecture design　　　**Mar. 2021**

- Analyzes the preconditions of the research background domestic and foreign development status.
- Put forward overall system architecutre of implementation of telemedicine system.

Novel File Management System: Stardust | *C, Python, Unity3D*　　　　　　　　　　**Sept 2019**

- Designed a classification/recommendation system for accessing recent files
- Implemented python GUI interface for file manager with PyQt

Technical Skills

Languages: Python, R, HTML/CSS, C, SQL
Developer Tools: VS Code, Huawei Cloud Platform, Xcode
Technologies/Frameworks: Linux, GitHub, Gitee, Quarto, LaTeX, macOS Kernel Extension