

Xiangsen Yang

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EDUCATION

University of Utah

Master of Software Development

May 2024

Salt Lake City, UT

- GPA: 4.0

University of Michigan

Bachelor of Science in Statistics

April 2022

Ann Arbor, MI

- GPA: 3.5, University Honor

SKILLS

Tech Skills: Java, Go, JS, R, C++, C#, Python, mySQL, AWS, Git, LaTeX, Markdown, Unix Commands

Team Working Skills: Rapport-building and listening, Organizational and planning, Reliability, Tolerance

EXPERIENCE

Knowledge Commons Desk Staff, Student Computing Services

Aug 2023 – Present

University of Utah, J. Willard Marriott Library

Salt Lake City, UT

- Provided students, staff, and faculty with technology assistance, library information, and basic research assistance, including accessing electronic journals and research databases.
- Provided supports for printing, scanning, various softwares(VPN, Virtual Machine), wireless laptop setup, and classroom and lab media equipment.
- Offered services including equipment circulation, poster printing, and cashiering.

Database Engineer (Internship, remotely)

June 2022 – August 2022

Sichuan Xishu Zhongcheng Geotechnical Engineering Co., Ltd.

Remote

- Responsible for the database management, maintenance, and data security for the ERP.
- Handled database design and SQL reviews, took charge of continuously optimizing database and SQL performance to support daily data requirements for business operations.
- Ensured the stable, efficient, and secure operation of the database system and promptly addressed any database failures.
- Participated in data architecture planning and design, as well as reviewed the modeling and design of related business data.

PROJECTS

Bradley Terry Model for NCAA | R

March 2022 – April 2022

- ranked teams by strength coefficients (from the strongest to the weakest), collected data sets including 358 Division 1 men's basketball team's win-loss data (records of 5345 games during 2021-2022 season) and built different versions of Bradley Terry Model.
- Based on the summary of models' cross-validations, selecting a preferred model generate coefficients for representing the strength of different basketball teams (top 10 teams and bottom 5 teams).

Online Learning Management System | C#, MySQL, NET ASP, Docker

Jul 2023 – Aug 2023

- An intuitive online leaning management system, offered an platform for user to create different accounts as students(enrolling, submitting, auto grading), professors(teaching, grading, listing), administrators(creating classes, courses, departments).
- Accessible here: <http://team6.dbproject.eng.utah.edu/>.

Interactive Map of Uyghur Internment Camps | JS, HTML, CSS, D3.js

Jul 2023 – Aug 2023

- Revealed the persecution on minority groups caused by Chinese Government Collected
- Internment Camps data from an independent journalist and translate data into geojson file. Plotting by using d3 library.
- Accessible here: <https://xxsyang.github.io/xxsyang.XingJiangUyghursCamp.io/>