

# Alex Yang

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## EDUCATION

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### University of Utah

*Master of Software Development*

- GPA: 4.0

**May 2024**

*Salt Lake City, UT*

### University of Michigan

*Bachelor of Science in Statistics*

- GPA: 3.5, University Honor

**April 2022**

*Ann Arbor, MI*

## SKILLS

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**Tech Skills:** Java, 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

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### 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.

## PROJECTS

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### Bradley Terry Model for NCAA | R

**March 2022 – April 2022**

- This project ranked teams by strength coefficients (from strongest to weakest), collected data sets including 358 Division 1 men's basketball teams' win-loss data (records of 5345 games during 2021-2022 season) and builds different versions of Bradley Terry Model
- Based on the summary of models' cross-validations, choose 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 learning 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**

- This project tried to reveal 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/>

### Movie Theater System | JS, React, C#, MySQL, NET ASP, Figma, AWS

**Aug 2023 - Present**

- This project facilitates purchasing movie tickets for its customers.
- It allows customers to browse through movies currently playing and book seats, anywhere and anytime. At the same time, it allows another type of user (administrators) to manage movies(update, modify, delete, insert)..

## EXTRACURRICULAR ACTIVITIES

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### Presishood

*Church of Jesus Christ of Latter-day Saints*

**March 2023 – Now**

*Salt Lake City, UT*

- Prepering and passing the sacrament to the members of the congregation during sacrament meeting