Nomin Ganzorig

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Education

Rice University, Houston, Texas   Expected: 2025/2026
Bachelor of Arts in **Computer Science** and **Statistics**, minor in **Data Science**   GPA: 3.9/4.0

Relevant Coursework:
- Data Structures 1, Program Design, Intro to CS, Computer Systems, Data Structures, R for Data Science, Tools and Models for Data Science, Fundamentals of Computer Engineering, Probability and Statistics, Linear Regression, Linear Algebra, Differential Equations, Multivariable Calculus, Principles of Economics.
- **Interests**: Software development, Software Engineering, Data Science, Machine Learning, Data Analysis and Visualization

Experience

Full-Stack Developer – Rice Apps — Houston, TX   Sep 2023 - Present
- **Developes** web applications for Houston-based non-profits, using React Native, Next.js, Typescript, Pandas, and Flask.
- **Collaborates** in a cross-functional team participating in Agile/Scrum process to develop a Client Impact Calculator and a Visual Database web application for United Houston Donation, aimed at enhancing donor engagement and data organization.

UX/UI assistant – Fondren Library — Houston, TX   Sep 2023 - Present
- **Conducts** user surveys, and interviews to identify ways to improve the user experience of the Fondren Library website. Attends bi-weekly lab meeting to track progress, plan, and improvise. (strong organizational skills)
- **Runs** a independent project to improve the Fondren Study Room Reservation experience online by doing user-experience research.(self-motivated)

Projects

FEAT "Feedback Evaluation via Automated Tests" Test Generator Program (Java, Git)
- Developed **an automated testing program** that evaluates programs written in Python from Java, utilizing high-level abstraction and encapsulation, functional and *object-oriented programming,* various design patterns, techniques.
- Extensively used JSON, File I/O, Inheritance, Recursive Descent Parsing, JUnit testing.

RDMST "Rooted Directed Minimum Spanning Tree - Theoretical Computing" (Python)
- Used Greedy Algorithm to compute minimum spanning trees in directed graphs
- Applied the algorithm to elucidate the transmission map (tree) of a bacterial infection from infection dataset.

Personal Website (React, Next.js)
- Built a modern, responsive personal website with React, Next.js, and TailwindCSS highlighting projects, and contact details.

Data Analysis and regression model on Motor Vehicle Crash data in NYC (R, SQL, Pandas, Seaborn)
- Performed graphical data analysis and regression model on NYC crash data using R and SQL
- Rice Datathon 2024 - Data Analysis on Houston Astros MLB team's travel effect on their performance, to further optimize their schedule to yield maximum results.

iOS App development (Swift, Python)
- Simple academic record tracker iOS app that predicts and keeps student's grade for different courses given the grade weight of different course works

Simon Game (JavaScript)
- Simple game that tests audio memorization, made purely using JavaScript an CSS for styling.

Skills

- **Programming languages:** HTML, CSS, JavaScript, Java, Python, R, SQL, Swift, C
- **Software/libraries:** React, TailwindCSS, Next.js, Git, LaTex, JUnit, Pandas, Revaeal.js, Figma
- **Languages:** Mongolian (native), Mandarin Chinese (elementary), Korean(elementary)
- **Activities :** RISA (International student association), International Orientation week advisor, Rice Fondren Library Student Ambassador, Rice Design, Rice CS club/HackRice hackathon, Doerr Institute Leadership Coaching Program, Women's Intramural Volleyball, Sid Richardson College Merch Design Committee, Crocheting Club