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, Introduction to Computer Science, R for Data Science, Fundamentals of Computer Engineering, Introduction to Computer Systems, Probability and Statistics, Differential Equations, Multivariable Calculus, Principles of Economics, Linear Algebra, Introduction to Computer Systems, Linear Regression
- **Interests**: Software engineering, Web development, Application development, Front-end, Back-end, Web design

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
- **Research** and **lead** a project to improve the Fondren Study Room Reservation experience online

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)

- Performed graphical data analysis and regression model on NYC crash data using R and SQL
- Presented a final report

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

Skills

- **Programming languages:** HTML, CSS, JavaScript, Java, Python, R, SQL, Swift, TypeScript
- **Software/libraries:** React, TailwindCSS, Next.js, Node.js, Git, LaTex, JUnit, Pandas, Revaeal.js, Figma, Framer Motion
- **Languages:** Mongolian (native), Mandarin Chinese (elementary), Korean(elementary)

Involvement and Leadership

- **Activities :** RISA (International student association), Rice Design, Rice CS club/HackRice hackathon, Doerr Institute Leadership Coaching Program, Women's Intramural Volleyball, Sid Richardson College Merch Design Committee, Crocheting Club