

# Nomin Ganzorig

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## EDUCATION

**Rice University**, Houston, Texas  
Bachelor of Arts in **Computer Science and Statistics**

Expected: May 2026  
Overall GPA: 3.9/4.0

**Relevant Coursework:** Algorithmic Thinking, Program Design , Computational Thinking, R for Data Science, Probability and Statistics, Differential Equations, Linear Algebra, Fundamentals of Computer Engineering, Principles of Economics, Introduction to Computer Systems, Linear Regression.

## EXPERIENCE

**Rice Apps — Front-End Developer — Houston, TX** Sep 2023 - Present

- **Design** and **build** impactful web applications and software solutions for Houston-based nonprofits, utilizing React Native, Next.js, Typescript, Pandas, and Flask.
- **Collaborate** with a team of 10 aiming to deliver a Client Impact Calculator, and Integrated Client Journey Visual for the donors of United Way Houston (current project) to ultimately attract more Donors, and showcase their impact in an appealing, organized way.

**Rice University Fondren Library — UX Lab Assistant — 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

**Rice — Data Education and Exploration Program (DEEP) — Houston, TX** Sep 2023 - Present

- Expanded Python (Numpy, Pandas) and data science knowledge through collaboration with a 10-person team to work on
- Used R to conduct hypothesis testing on students' exam grades and deliver the result as graphical visuals

**Front-End Developer, Tech Intern — Lemon Press — Ulaanbaatar, Mongolia** May - Aug 2023

- **Designed** and **developed** the UI, and a mobile app for Digital News Broadcasting company located Mongolia using Swift.

**Freelance Web Developer — Ulaanbaatar, Mongolia** 2021 - Present

## PROJECTS

**FEAT “Feedback Evaluation via Automated Tests” Test Generator Program (Java, Git)**

- Learned high-level abstraction, extensible, reusable modular design patterns, techniques, and code organization in JAVA.
- Extensively uses JSON, File I/O, Inheritance, Greedy algorithms, and Recursive Descent Parsing to configure specifications to ultimately run and test Python programs from Java, and return evaluation feedback

**RDMST “Rooted Directed Minimum Spanning Tree Graph Theoretical Problem 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

**Data Analysis and regression model on Motor Vehicle Crash data in NYC (R, SQL)**

- Utilized statistical Hypothesis Testing, Graphing in R, using mainly pipeline, ggplot2, dplyr, SQL to perform an analysis on crash data, testing hypotheses, and obtaining insights about the causes of the crash incidents.

**Interactive Games and Mobile Apps (JavaScript, HTML, CSS, Swift, Git)**

- Built interactive games including Simon Game, Dice Roller(Spin), Drum Kit, Hangman, Coffee Machine, TinDog (Tinder for Dogs)
- Tipping Percentage Calculator App for simplifying split cost with friends using Swift

**Map Search (Python)**

- Developed a Map Search program in Python to find the most effective route from a start point to an endpoint on a map.
- Incorporated search algorithms like Breadth-First Search, Depth-First Search, and A\*Search

## SKILLS

- **Programming:** Python, JavaScript, Java, HTML, CSS, R, React Native, Swift, SQL
- **Software:** Git, TailwindCSS, TypeScript, Node.js, Next.js, Microsoft Office, LaTeX, Replit, JUnit, Numpy, Pandas, Revaeal.js, Shiny(R interactive presentation ), Figma, Framer Motion
- **Languages:** Mongolian (native), Mandarin Chinese (elementary), Korean(elementary)

## INVOLVEMENT

- **Affiliations/Activities:** : RISA, Rice Design - Rice Designathon, Rice CS club/HackRice hackathon, Doerr Institute Leadership Coaching Program, Women's Intramural Volleyball, Sid Richardson College Merch Design Committee, Crocheting Club
- **Leadership— Rice International Student Association (RISA) board member:** Organizes weekly meetings with other committee members to plan events, delegate tasks, and contribute to the mission to foster a supportive and vibrant community among international students at Rice.