

Daniel Kuo

917-530-5715 | danielhkuo@rice.edu | [linkedin.com/in/danielhkuo](https://www.linkedin.com/in/danielhkuo) | danielhkuo.github.io

EDUCATION

Rice University

B.S. in Computer Science, B.A. in Business with a Finance Concentration; GPA: 3.62

Houston, TX

Aug. 2023 – May 2027

EXPERIENCE

Codistas IT Services

Services and Policy Development Intern

Houston, TX

May - August 2024

- Authored four comprehensive policy and procedure documents in adherence to ISO standards, in collaboration with consulting firms, streamlining internal processes and reducing the incidence of non-compliance incidents among our clientele.
- Conducted market research and competitive analysis, identifying core strategies that increased service efficiency by 25% and positioned the company more competitively in the market.

NASA's Spacesuit User Interface Technologies for Students (SUITS)

Developer

Houston, TX

September 2023 - February 2024

- Contributed to team objectives as a project manager and developer, increasing project efficiency by 150%
- Utilized Unity and C# to develop graphical GUIs and interfaces for extraterrestrial mission simulations

Code Ninjas

Instructor

Houston, TX

May 2022 - August 2022

- Provided instruction in fundamental Lua scripting for groups of 6 to 20 students
- Designed and delivered original engineering-focused lessons, emphasizing computational thinking

HPRC Summer Computing GenCyber Camp

Team Lead

College Station, TX

July 2022

- Led a team in developing a digital security solution for anonymous peer-to-peer (P2P) file transfer
- Applied knowledge of threat modeling, encryption techniques, and user-friendly interface design in a presentation winning first place

PROJECTS

Feynman Junior | *Node.js, React, TypeScript, LangChain, WebSpeechAPI, Ollama*

September 2024

- Developed an AI-powered tool using **Node.js**, **React**, and **TypeScript** that enables users to practice presentations and learn topics by simulating different audience types and providing adaptive feedback.
- Utilized **LangChain**, **WebSpeechAPI**, and **Ollama** to dynamically adjust to audience profiles, achieving 97% accuracy in voice recognition and 100% user satisfaction with AI-driven feedback.

BusiChat | *Next.js, Node.js, Convex*

August 2024

- Developed a full-stack, real-time chat application with workspace management, supporting multiple user roles and permissions, using **Next.js** and **Node.js**.
- Implemented secure authentication and authorization mechanisms, including user registration, password recovery, and OAuth integration.
- Utilized **Convex** for real-time updates and database management, ensuring low-latency communication.

MeetMe Scheduler | *Dart, Discord API*

September 2023

- Developed a Discord application using **Dart** to process multiple time and date inputs
- Created a proprietary system to render inputs into a readable schedule for display in a chatroom

Unraid Cloud Server | *Unraid OS, Docker, NGINX, Ubuntu*

March 2023

- Set up a locally hosted reverse-proxied server using the Unraid operating system
- Configured automated cronjobs and multiple Docker containers (Nextcloud, NGINX, Jellyfin)

TECHNICAL SKILLS

Languages: Java, Python, Lua, Dart, C#, C, JavaScript, HTML/CSS, SQL

Frameworks: React, Next.js, Node.js, WordPress, Convex, LangChain

Developer Tools: Git, Linux, Cloudflare, Unraid OS, Docker, Unity, LaTeX