

Jacob King

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Education

Rice University

Bachelor of Science in Electrical and Computer Engineering

Expected Graduation: May 2028

Houston, TX

Aug 2025 – Present

Experience

Research and Software Development Intern

Clairvoyant Networks

Spicewood, TX

Jan 2024 – Present

- Developing algorithms and software applications for medical hardware under National Institute of Health grant.
- Conducting research in collaboration with Dr. Marcia Ory at Texas A&M University for fall detection solutions.
- Set up, tested, installed, and monitored ultra-wideband (UWB) technology in 7 residential settings.

Software Development Director

Code Coogs

Houston, TX

Aug 2024 - May 2025

- Managed 2 officers and 2 interns to maintain and upgrade the club website, payment system, Discord bot, and database.
- Served 100+ paying members at the University of Houston.

Professional Development Director

MAES Latinos in Science and Engineering

Houston, TX

Aug 2024 - May 2025

- Communicated with professionals to organize and host information sessions with 100+ paying members.
- Automated operations such as the MAES Resume Book, which was sent out to sponsors.

Projects

UGC and Clothing Tracker — *Luau, Roblox API, TypeScript*

Aug 2020 – Present

- Manage two programs I created and programmed to provide statistics, analytics, and trends for over 40 million items by over 50 thousand unique creators.
- Over 677 thousand visits from creators on the Roblox platform.

Redeem UGC Limited Codes — *Luau, Roblox API, TypeScript*

Jun 2023 – Jan 2024

- Utilized the Roblox platform to create a system for redeeming codes to receive exclusive avatar cosmetics.
- Created and programmed in collaboration with brands Monstercat and E.L.F. Cosmetics.

Paris World — *Luau*

Mar 2022 – May 2022

- Helped program multiple features for Levi's Carnival area in Paris World.
- Collaborated with 6 developers under commission by Paris Hilton and Levi's.

Technical Skills

Languages: Python, C++, TypeScript, Luau, Rust, JavaScript, HTML, CSS

Frameworks: React, Svelte, Angular, Node.js

Developer Tools: Git, Docker, Google Cloud Platform, VS Code

Libraries: pandas, NumPy, Matplotlib