

# Jacob King

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## Education

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### Rice University

Bachelor of Science in Electrical and Computer Engineering  
Expected Graduation: May 2028

Houston, TX  
*Aug 2025 – Present*

## Experience

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### 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

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### 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

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**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