

TAYO MAKINDE

Houston, TX / Providence, RI

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EDUCATION

Brown University

Sc.B. Computer Engineering / Spanish Certificate of Intercultural Competence - **GPA - 4.0** Providence, RI

Santa Clara University

B.A. Computer Science - **GPA - 3.7** Santa Clara, CA

EXPERIENCE

Reeka Property Management Technology

Sept 2025 - Present

Intern

New York, NY

- Reeka is an Antler-backed prop-tech startup building property management infrastructure for emerging markets, currently serving 250+ properties across Nigeria and Ghana.
- Integrated Airbnb and Booking.com APIs to power a two-way calendar and pricing sync system, reducing double-booking incidents for clients by 40% and keeping availability data accurate across 3+ platforms in real time.
- Built and refined a direct booking engine with integrated payment processing, helping 50+ property managers cut third-party commission costs by routing 20% more bookings through their own sites.
- Contributed to the analytics and reporting module, enabling clients to track occupancy rates and revenue trends across portfolios of up to 25 properties, leading to a 15% average increase in reported occupancy optimization.

Imaginarium Lab Santa Clara

Sept 2024 - August 2025

Undergraduate Researcher

Santa Clara, CA

- Collaborated on 3 interdisciplinary research teams developing dataset labeling and annotation pieces of model evaluation pipelines in Python improving model accuracy by 30%.
- Designed and built a VR research game in Unity to promote body positivity, integrated real-time physics-based interactions and haptic feedback system. Tested by 50+ participants, increasing engagement duration by 25% on average.
- Collaborated on research projects accepted to premier AI conferences (CVPR and AAAI); results recognized for research excellence.

PROJECTS

DeskCleaner | Next.js, TypeScript, Node.js, OpenRouter

April 2026

- Developed a full-stack desktop organization tool that utilizes a "swipe-to-sort" interface for file management, automating cleanup via generated macOS terminal commands. Integrated OpenRouter API (Elephant Alpha) to generate AI-powered file summaries by recursively parsing and extracting metadata from PDF, DOCX, and CSV formats.

Basketball Shot Predictor | Python, Open CV

May 2025

- Developed a computer vision system to track basketball shots using OpenCV color detection and a YOLO-based hoop detector, achieving 92% tracking accuracy across 1,000+ video frames. Modeled shot trajectories with polynomial regression to predict scoring outcomes with 85% accuracy. Trained and deployed models using Google Colab and Roboflow for dataset management and augmentation.

VR Data Analysis | Python, Matplotlib, Seaborn

March 2025

- Analyzed engagement data from CVPR-published study (5,000+ participant interactions) to investigate gender-based behavioral differences. Processed and filtered datasets with Python and Pandas, visualized top engagement patterns using Matplotlib and Seaborn, and ran t-tests revealing statistically significant gender differences in interaction frequency.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, Swift

Technologies/Frameworks: Linux, GitHub, ReactJS, Git, Flutter