Jason Jiang

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EXPERIENCE

Logistics & Industry Chair   01/2025 – present
CodeCrunch Club @ FIU   Miami, FL
- Oversee event planning and manage logistical operations, ensuring smooth execution of club initiatives and enhancing member experiences.
- Foster connections with industry professionals to facilitate insightful guest sessions and provide valuable networking opportunities for members.

Research Assistant   06/2024 – present
Research Experiences for Undergraduates (REU)   Miami, FL
- Collaborated with PhD students on a WiFi sensing project leveraging CSI data and machine learning in Python.
- Achieved 85% gesture recognition accuracy using the Nexmon patch on a Raspberry Pi 3b+, demonstrating CSI data's potential for robust pose detection across diverse datasets.
- Researching health monitoring applications of CSI data, focusing on breath detection for potential healthcare use cases.

SKILLS

Python | Java | JavaScript | Assembly | C | C# | AutoCAD | MasterCAM | Game Development | Web Development | Proficiency in Excel | Windows OS | Database Management | API

PROJECTS

Orchid's Veil 🔗   09/2024 – 12/2024
INIT Build Fall 2024 @ FIU
- Designed and implemented engaging gameplay mechanics and enemy behaviors for an arcade-style Shoot 'Em Up game using Godot, focusing on player experience and balance.
- Created art assets, ensuring a cohesive visual style that complemented the narrative and gameplay elements.
- Collaborated with a multidisciplinary team to develop Orchid's Veil, integrating code, art, and design to deliver a polished gaming experience.

YumHub 🔗   09/2024
ShellHacks Hackathon 2024 @ FIU
- Developed "YumHub," a Streamlit web app developed on PyCharms for recipe discovery and nutritional insights using APIs, delivered within 36 hours.
- Gained hands-on experience in problem-solving, debugging, and managing project workflows in a fast-paced, deadline-driven environment.

BotaniDex 🔗   06/2024 – 08/2024
Plant Care Web App
- Developed "BotaniDex," a Streamlit-based web application using Python with integrated third-party APIs, providing users with comprehensive plant care guidance and general information.
- Designed a clean, intuitive interface for easy navigation, prioritizing user accessibility and engagement.

EDUCATION

Bachelor of Arts in Computer Science   06/2022 – 06/2025
Florida International University   Miami, FL
Undergraduate Certificate in Ethics, Big Data and Artificial Intelligence
- Full-time student pursuing a Bachelor of Arts in Computer Science, INIT member, Dean's list
- Related coursework: Java Programming, Data Structures, Computer Architecture, Software Engineering, HCI, AI, Data Mining, Systems Programming, Logic for CS