Yama Jiang

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Education

University of Central Florida   Orlando, FL
Bachelor of Science in Computer Science, Intelligent Robotic Systems Minor   *Dec 2026*

- **Academic Achievements:** Dean's List
- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Mobile Software Development, Computer Logic and Organization, Intro to Robotics
- **Organizations:** Girls Who Code, SASE, SWE, Marine Environment Robotics

Experience

Intern   2021-2022
SkyWater Technology   *Kissimmee, FL*

- Collaborated with a team to redesign and automate SkyWater Technology's IC chip materials storage and sorting system
- Integrated a Vertical Lift Module and compressed shelving for optimized storage
- Produced AutoCAD drawings and cost analysis to support system design

Projects

NavX | *Python*

- Assembled and programmed an autonomous object avoidance robot car integrating sensors and intelligent algorithms for real-time navigation
- Developing and implementing obstacle detection and identification features, enhancing the robot's ability to recognize and report objects blocking its path

Pokébook | *HTML, CSS, JavaScript*

- Collaborated with a team to develop a full-stack contact manager, integrating a Pokémon-themed UI for an engaging user experience
- Implemented full CRUD (Create, Read, Update, Delete) functionality using the LAMP (Linux, Apache, MySQL, PHP) stack, ensuring efficient data management
- Led frontend development, designing a responsive and visually appealing interface while ensuring seamless backend integration for smooth data handling

MATE ROV | *Python*

- Developed a leak sensor to detect water leakage in a ROV's enclosure to alert the system while enhancing underwater safety and durability
- Created a terminal user interface using PySeries and the curses library to display leak sensor and temperature status from the Arduino to flight control system

Technical Skills

Languages: HTML/CSS, Python, Java, C, C#, Typescript, JavaScript
Frameworks: Tailwind, Next.js, React
Tools and Technologies: Figma, Git, VSCode, Unity, Eclipse, Android Studio, IntelliJ, Arduino