Krystal Wu

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EDUCATION

Georgia Institute of Technology Atlanta, GA
Bachelor of Science in Computer Science, Dean's List
Threads: Information Internetworks and People
Minor: Financial Technology (FinTech)
Expected Graduation: May 2026
Relevant Coursework: Object Oriented Programming, Data Structures, Algorithms, Computer Organization and Programming, Databases, Statistics, Project Management Methodology, Finance and Investments

EXPERIENCE

Automotive LiDAR, Georgia Tech Research Institute   **January 2025 - Present**

- Used Python and LiDAR to program robot navigation algorithms
- Leveraged Robot Operating Systems and Arduino to conduct robot movement
- Improved obstacle detection accuracy by 20% in autonomous test runs

Teaching Assistant for Data Structures and Algorithms, Georgia Tech   **April 2025 - Present**

- Led weekly recitation for over 300 Georgia Tech students learning data structures and algorithms
- Debug students code, hold office hours, grade exams and assignments

PROJECTS

WanderSync | Full Stack | Java, XML   **August 2024 - December 2024**

- Worked with a team of 5 students to create an Android app that allows users to collaboratively plan travel itineraries
- Implemented data visualization graphs to help users track trip progress and activity completion

StoreView | Full Stack | Javascript, React, HTML, CSS   **February 2025**
- Built a web application that calculates impression scores for potential storefront locations
- Integrated data science and analytics to provide insights for business owners

MrktMind | Frontend Coder | Javascript, CSS, React, HTML   **September 2024**

- Created a marketplace web app leveraging data science to determine optimal price points
- Designed a user-friendly interface for personalized product recommendations

Hacklytics: Traveraal.ai Hotel Finder | Backend Coder | Python   **February 2024**

- Engineered a web app utilizing Traveraal.ai's dataset to enhance hotel search functionality
- Integrated AI with Qdrant for similarity searches based on user input
- Leveraged GPT-2 for natural language processing to generate user-friendly explanations

LEADERSHIP

FASET Leader, New Student Transition Program Atlanta, GA   **February 2024 - August 2024**
- Mentored over 450 new students during orientation, helping them with personalized guidance
- Reduced course registration errors by 30% through proactive support and walkthroughs
- Boosted event attendance through creative engagement strategies and peer-led icebreakers

SKILLS

- **Frontend**: HTML, CSS, JavaScript, React
- **Backend:** Java, Python, APIs, JavaScript, C, TypeScript, MySQL
- **Tools:** VS Code, Github, Streamlit, Android Studio, Firebase, ROS, Postman, Docker
- **Soft Skills:** Leadership, Time Management, Communication, Adaptability, Self-Motivation, Collaboration