RYAN JO

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EDUCATION

Stevens Institute of Technology   **Hoboken, NJ**
Bachelor of Science, Computer Science   Sep 2024 – May 2028

EXPERIENCE

Incoming Research   **May 2025 – Aug 2025**
Eman Alomar   *Hoboken, NJ*
- Conducting a 10-week research project under Dr Eman Alomar at Stevens Institute of Technology
- Improving design and development of a browser-based GitHub commit automation tool as a chrome extension, aiming to save time and improve developer workflow and productivity
- Exploring cross-browser compatibility, automation tools and user interface and experience to provide seamless interactions between the tool and GitHub repositories

Barista   **Dec 2023 – Aug 2024**
Lami Bakery   *Jericho, NY*
- Collaborated with team members to foster an open and inclusive work environment
- Managed high-volume orders while maintaining accuracy, demonstrating strong attention to detail
- Improved efficiency by identifying and implementing gradual changes to optimize workflow

Barista   **Jun 2024 – Aug 2024**
Cafe Inn   *Jericho, NY*
- Maintained high standards of customer service with friendly interactions and efficient workflow during peak hours.
- Handled inventory restocking and maintained cafe cleanliness to abide by health and safety standards
- Demonstrated strong multitasking along with communication and social skills to maintain a positive working environment

PROJECTS

Upright
- Developed a locally hosted posture correction tool with a team at Brown Hackathon
- Implemented openCV to detect body landmarks and Generative AI to provide personalized posture correction statements.
- Worked with the frontend using HTML, CSS and JavaScript for smooth visuals and clean user interactions

EchoStep
- Currently developing EchoStep, a travel companion app focused on solo and family travelers which features daily refreshed currency conversion and a shared custom walking route hub
- Constructing the frontend using HTML, CSS, and Javascript along with an interactive map powered by Leaflet.js and the backend using Flask (Python) with redis caching
- Supports real-time currency exchange data and an interactive map for route discovery with user-friendly filters
- Follows good practices including containerization, environment-based configuration and modular API design
- Deployed using Docker compose using separate containers for the frontend and backend, managed by Nginx as a reverse proxy for smooth routing

MacroVision
- Developed a responsive UI using Next.js, React and TailwindCSS alongside user authentication and meal tracking with Supabase
- Used outputs from a teammate-trained CNN model to retrieve and display nutritional data from the USDA Food Database, including calories and macronutrients

SKILLS

Programming Languages: Python, Java, JavaScript, HTML/CSS, TypeScript
Frameworks & Libraries: React, Next.js, TailwindCSS, Flask, Leaflet.js
Tools & Platforms: Docker (Compose), Redis, Git/GitHub, Supabase, Nginx