

# LOC TRAN

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## EDUCATION

### Miami University

Oxford, OH

Bachelor of Science in Computer Science | GPA: 3.9 / 4.0

August 2021 – May 2025

- President's List -- Top 3% of Miami University students Spring 2022, Spring 2023, Fall 2023
- Relevant course works: OOP, Data Structure and Algorithms, Computer System, Computer Vision, Full-Stack Web, AI, Machine Learning, Cybersecurity, High-Performance Computing, Software Architecture

## SKILLS

- *Languages:* Python, C/C++, JavaScript, C#, Java, TypeScript, HTML5, CSS3, SQL
- *Frameworks & Libraries:* React, Node.js, Nest.js, WebSocket, Django, RESTful API, MongoDB, PostgreSQL, .NET, TensorFlow, Pandas, NumPy, Next.js
- *Tools:* Docker, Kubernetes, GitHub, Postman, Linux, JUnit, AWS, Snowflake, NGINX, Kafka, Wireshark

## WORK EXPERIENCE

### Matson Money

Cincinnati, OH

Software Engineer Intern

January 2025 – Present

- Maintain Fillable Form system, integrating .NET application with DocuSign for investor digital document management
- Develop in-house RESTful APIs with .NET Core on Azure to facilitate seamless data sharing with external partners via React advisor portal, completing JIRA stories using Agile to empower 500 business self-service users

### Miami University

Oxford, OH

Software Engineer

January 2024 – January 2025

- Develop a 24/7 AI agent to streamline library services using Node.js and React, GPT-4 API, integrated internal APIs for resource recommendations, room reservations, and rentals, enhancing access for 20,000 students
- Advance cost efficiency and memory management by 15% with a custom recognition module via Cohere AI API
- Engineered a CI/CD pipeline using Docker Swarm and GitHub Actions to automate deployment, boosting production efficiency by 30% and doubling availability through seamless codebase updates, orchestrations, and Agile meetings

### Warner Bros. Discovery

Los Angeles, CA

Information Technology Intern

June 2023 – August 2023

- Built and commissioned hardware to 50 departmental end-users as the deploying process with other Global IT teams
- Authored comprehensive documentation on enterprise IT cycle, detailing solutions for common technical challenges
- Delivered intensive Hypercare and handled 200 Azure migration tickets to new enterprise domain during rebranding weeks, directly resolved 50 critical issues across peak migration, contributing to 80% immediate resolution rate

### SwapBrain

Sydney, Australia

Full-Stack Developer Intern

June 2022 – August 2022

- Constructed a Chrome extension to translate live videos from English to Chinese caption using HTML5, CSS, TypeScript, Web Speech API, Python, Docker, and Machine Learning libraries, delivering MVP to 50 UAT users
- Designed an interactive landing page and wrote 2 blogs about the company's technology using WordPress
- Implemented 6 A/B testings with Google Analytics and Google Optimize to gain 150 experimental clients in 2 months

## PROJECT

### InsurAI – Healthcare Insurance Chatbot | Winner of MakeUC Hackathon | [Demo](#) | [GitHub](#)

- Developed AI-driven chatbot which simplifies understanding of insurance policies by intelligently parsing and explaining Evidence of Coverage documents using Cohere AI and Weaviate vector database on Bun runtime
- Awarded Best AI-Driven Healthcare Solution from IBM & Elevance Health, demonstrating skills in AI and Web Socket

### My-Kalory – Nutrition with Google Vision | RevolutionUC Hackathon | [Demo](#) | [GitHub](#)

- Generated and deployed a website tracking user's calories and macro-nutrients intake by scanning product's nutrient facts label using Google's Vision API incorporated with Django backend framework and MongoDB for data retrieval
- Incorporated React.js with Firebase to provide automation, user authentication, and interactive User Web Interface

### YOLOv8 Object Tracking for Self-Driving Cars | [Demo](#) | [GitHub](#)

- Constructed a Computer Vision model for self-driving cars by integrating YOLOv8, ByteTracker, and Roboflow's SuperVision libraries to efficiently localize and track moving vehicles, providing an autonomous vehicle navigation

## LEADERSHIP ACTIVITIES

### Computer Science Student Leadership Council

Miami University | Oxford, OH

Executive Board Member

April 2023 – December 2024

- Organized and facilitated 10 semester events, consistently engaging approximately 80 people per event to enhance departmental participation and student interaction for departmental issues discussion between students and faculties