LOC TRAN

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EDUCATION

Miami University   Oxford, OH
Bachelor of Science in Computer Science | GPA: 3.95 / 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 and Virtualization, Computer Vision, Web Development, Artificial Intelligent, Machine Learning, Cyber Security*

CodePath | Remote
- *Certificate in Intermediate Cyber Security*   *February 2024 – Present*
- *Certificate in Full Stack Web Development*   *February 2023 – December 2023*
- *Certificate in Advanced Software Engineer*   *May 2022 – August 2022*

SKILLS

- *Languages*: Python, C/C++, C#, JavaScript, Java, TypeScript , HTML5, CSS3, SQL
- *Frameworks & Libraries*: React, Node.js, Express.js, Nest.js, Django, MongoDB, PostgreSQL, .NET, TensorFlow, Pandas, NumPy, RESTful API, Socket, Docker
- *Tools*: VSCode, Jupyter Notebook, WordPress, Postman, GitHub, Linux, JUnit, AWS, Unreal, Snowflake

WORK EXPERIENCE

Miami University | Library Web Service Team   Oxford, OH
Software Developer   *January 2024 – Present*
- 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
- Craft a PostgreSQL database schema with Prisma to monitor conversational data for operational insights

Warner Bros. Discovery   Los Angeles, CA
IT Technical 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 and Machine Learning Developer Intern   *June 2022 – August 2022*
- Constructed an MVP Chrome extension to translate live videos from English to Chinese caption using HTML5, CSS, TypeScript, Web Speech API, Python, Docker, and Machine Learning libraries in a team of 3 students
- 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 - Present*
- 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