Duong Vo

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EDUCATION

Miami University, Ohio Oxford, OH
B.S in Computer Science, B.S in Mathematics and Statistics *Aug 2021 – May 2025*
- GPA: 3.88, President's list for 2 consecutive semesters
- Activities: Honors College, Programming Club, Eli Lily Leadership Institute Cohort 11
- Relevant Coursework: Algorithms, Object-Oriented Programming, Systems, Database, Data Structures and Abstraction, Discrete Mathematics

EXPERIENCE

Software Engineer Intern May 2022 – Aug 2022
CodeLynx *Vietnam*
- Partnered with a senior developer to develop a full-stack code development notebook with Clojure and React.js
- Implemented a tree parser and the evaluator using Clojure for interpreted languages like Python, Clojure, JavaScript, which reduce code run-time by 75%
- Optimized the evaluator by using debouncing for more efficient code evaluation
- Organized the code and documented the repository for smooth onboarding of new developers and increase overall efficiency by 15%

Research Assistant Nov 2021 – May 2022
Miami University *Oxford, OH*
- Completed a wide range of small projects related to Deep Learning, Convolutional Neural Network under the supervision of the professor
- Maintained and wrote weekly reports and assessments of how the model performed, the model's accuracy, and running time
- Researched optimization solution for the model and presented weekly to the team

PROJECTS

Course Planner | *Python, Flask, HTML/CSS, sqlite* Nov 2022 – Jan 2023
- Created a CRUD course planner application that can tracked the degree audit real time
- Utilized BeautifulSoup to web scrape degree requirements and electives.

No Barcode Self Checkout System | *Square API, Python, SQL, Pytorch, Tkinter* HOYA HACKS 2023
- Worked in a team of 2 to develop a self checkout system that use Computer Vision to scan items
- Developed a checkout app that integrate an external camera for scanning items using Tkinter and Square API
- Integrate the Siamnese Network into the system to identify the objects through the checkout camera

3D Reconstruction App | *Python, React Native, Pytorch, AWS Kinesis* HACK OHI/O 2022
- Worked in a team of 4 to develop a mobile app that can construct a 3D depth map in real-time in 24 hours
- Created the UI for the app using React Native that receives and renders bits on the UI
- Utilized AWS Kinesis to send real-time data from the mobile camera to the machine learning model

Developer Notebook | *Clojure, React* May 2022 - Aug 2022
- Developed a server-client notebook application with React frontend and Clojure backend that can compile and evaluate interpreted languages blazingly fast.

TECHNICAL SKILLS

Languages: Java, Python, Clojure, C++, SQL, JavaScript, HTML/CSS
Frameworks/Libraries: React, React Native, Node.js, Express.js, Flask
Technologies: Git, Linux, Docker, AWS Kinesis, Postman, SQLite, MongoDB