

HOANG NGUYEN

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ACADEMIC BACKGROUND

Denison University, Granville, OH

Expected June 2027

Bachelor of Arts, Financial Economics and Computer Science

EXPERIENCE

Machine Learning Engineer Intern

June 2024 - Present

Artificial Intelligence Research Center (AIRC), VNU Information Technology Institute (ITI)

- Fine-tuning a ResNet50 model for recognizing 5 hand gestures, achieving 99% accuracy.
- Collaborating in a team of 6 to develop a Smart Camera for detecting faces, people, emotions, and actions.
- Collecting data from the camera in the research center and utilizing the MTCNN model to extract faces from over 1,000 images.
- Applying data augmentation techniques, including flip, rotate, bilateral filter, Gaussian noise, and grayscaling, to generate over 16,000 images from the original 1,000 images.

PROJECTS

Learning Logs

May 2024 - May 2024

Technologies Used: Django, HTML, Bootstrap, SQLite

- Developed a website for learners to note called Learning Log by leveraging the Python Django framework.
- Constructed the app using HTML and CSS Bootstrap with over 200 lines of code for the structure of the website.
- Leveraged built-in Django functions to construct different views function allowed users to enter and delete entries and topics.

TECHNICAL SKILLS

- **Languages:** Python, Java, HTML, CSS, Javascript, C++.
- **Framework:** Django, Bootstrap.
- **Database:** MySQL, PostgreSQL, MongoDB.

EXTRA CURRICULAR ACTIVITIES

Academics Core Member

August 2021 - August 2023

The Bizillions

- Researched about organizational foundation for an event called "ORGford Dictionary" - an online workshop with over 300 participants about Leadership and how to found a personal project.
- Managed for a case study competition about marketing strategic planning and working in a group to solve a problem regarding market entry case with nearly 1000 participants.
- Clarified market research and budget allocation for "The Bizness Case" competition trained over 200 high school students in a workshop about marketing.
- Established a series of nearly 20 social media posts for events such as yearly business case and upcoming recruitment.
- Generated 2 packages of questions for both challenge round and the finale for Business Case Competition 2023.

AWARDS

- Data Big Red Challenge Fall 2023 - Best Visualization.
- Vietnam High School Business Case 2022 - Top 20.