

## HUY VU BUI

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### EDUCATION

**Denison University**, Granville, OH  
*Bachelor of Science, Computer Science and Applied Math*

Expected Graduation: May 2027  
GPA: 4.00/4.00

### EXPERIENCE

#### **FPT Software**

June 2024 - August 2024

*Software Engineering Intern*

- Create a robust employee evaluation tool leveraging ReactJS, Redux, and Material UI for the frontend, accelerating development by 50% through reusable UI components while maintaining a visually appealing interface.
- Collaborate with a team of 7 developers to design, construct, and deploy the evaluation tool, fostering effective teamwork and knowledge sharing.
- Implement a Django backend with PostgreSQL integration for secure data storage and retrieval, supporting complex evaluation logic.

#### **Denison Big Red Data Challenge (Fall 2023)**

November 2023 - December 2023

*Best Visualization*

- Led a team of 4 people to develop a model predicting the asymmetry index between the limbs of Denison athletes, preventing potential injuries.
- Utilised RStudio to develop visual bar graphs to explain intuitively the distribution and trends of the asymmetry between two lower limbs of athletes.

#### **Arevo, Inc.**

June 2022 - August 2022

*Data Scientist Intern*

- Built deep learning models for detecting 3D printer filament using TensorFlow and Label Studio.
- Created an application to deploy YOLOv8 deep learning model and achieved 60% accuracy.

#### **Maths and Science Summer Program - VNU-HCM**

June 2022 - August 2022

*Machine Learning Researcher*

- Established a thorough understanding of transformers models and its variants in Natural Language Processing, including GPT-2.
- Tuned the hyperparameters of pre-trained PhoBERT from the Transformers library to tokenize and translate Vietnamese to English, reducing the number of parameters by a factor of 2.

#### **Abit Tech Club**

June 2021 - June 2022

*Vice President*

- Facilitated meetings with students across Vietnam to share technological knowledge every 2 weeks and help plan and build own technology projects.
- Planned to implement a curriculum to prepare children at shelter how to use electrical appliances safely in 2022.

### SKILLS

**Coding Languages:** Python, Java, JavaScript, C++, Julia.

**Software:** Microsoft Word, Excel, PowerPoint, Tensorflow, Numpy, PyTorch, Keras, Pandas, Matplotlib, Hugging Face Transformers, OpenCV, MediaPipe. ReactJS, Django, Docker

**Language:** English | Vietnamese.