

# Luu Tuan Hung

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## Career Objective

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As an AI intern, I aim to gain practical experience, enhance my skills in machine learning and AI development, and contribute to innovative projects. Over the next three years, my goal is to deepen my expertise, develop strong problem-solving abilities, and become a proficient AI engineer capable of applying AI solutions to real-world challenges.

## Education

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### Bac Ninh High School for Gifted

2019 - 2020

- Second Prize in the Bac Ninh Provincial Chemistry Excellence Competition, 11th Grade
- Second Prize in the Bac Ninh Provincial Chemistry Excellence Competition, 12th Grade

### Ha Noi University of Science and Technology, Computer Engineering

2022

- **GPA:** 3.76/4.0
- **Coursework:** Algebra, Probability and Statistics, Data Structures and Algorithms, Database Fundamentals

## Experience

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### edX: CS50's Introduction to Computer Science

2022

- CS50's Introduction to Computer Science is Harvard University's renowned introductory computer science course, available on edX. It covers fundamental programming concepts, problem-solving techniques, and computational thinking

### Coursera: Machine Learning Specialization

2023

- Foundations of Machine Learning: Supervised learning, regression, classification
- Unsupervised Learning: Clustering (K-Means, PCA), anomaly detection
- Reinforcement Learning Basics: Markov decision processes, reward maximization

### Coursera: Deep Learning Specialization

2024

- Neural Networks and Deep Learning
- Hyperparameter Tuning, Regularization, and Optimization
- Structuring Machine Learning Projects
- Convolutional Neural Networks (CNNs)
- Sequence Models

## Technical Skills

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**Programming:** Python, C/C++, SQL, HTML, CSS, JavaScript

**Tools:** Microsoft SQL Server, Jupyter-notebook, VS Code, Linux, Git, GitHub

**AI & Machine Learning:** Unsupervised learning, Deep Learning, CNN, RNN, Transformer, BART, GPT

**Frameworks:** PyTorch, Numpy, Pandas, Matplotlib, OpenCV

## Soft Skills

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**English:** Intermediate at listening and reading

**Teamworks:** Proven ability to collaborate effectively with team member

**Problem Solving:** Analytical skills to identify issues and propose solutions


**Adaptaibilty:** Quick to learn new skills and adjust to changing environments

## Projects

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### Neural-Network-from-Scratch

- **Description:** Build a fully connected network from scratch for network attack classification
- **Tools used:** Python, Numpy, HTML, CSS, JavaScript, FLask
- **Responsibility:** Build, develop and deploy model

[github.com/huhj225131/Neural-Network-from-Scratch](https://github.com/huhj225131/Neural-Network-from-Scratch) 

### SomeCNN

- **Description:** Build CNN models for image classification. Dataset: CIFAR-10
- **Tools used:** Python, Jupyter-notebook, Pytorch, Numpy
- **Responsibility:** Build, develop, and fine-tune the model

[github.com/huhj225131/SomeCNN](https://github.com/huhj225131/SomeCNN) 

### Weather-Forecast-LSTM

- **Description:** Build RNN-based app to forecast weather.
- **Tools used:** Python, Jupyter-notebook, Pytorch, Numpy, Streamlit
- **Responsibility:** Build, develop, and fine-tune the model. Deploy app.

[github.com/huhj225131/Weather-Forecast-LSTM](https://github.com/huhj225131/Weather-Forecast-LSTM) 