

TRAN KHANH LUONG

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EDUCATION

Ha Noi University of Science & Technology, Ha Noi

2020 – present

Major: Data Science and Artificial Intelligence

CPA: 3.62/ 4.0 (46 credits)

PROJECT

Project in Web Development

3/2022 – present

Creating a website that allows HUST students to share their reviews of different courses in the university

Coder/Designer

- Design the web interface and use ReactJS framework for front-end development.

Project in Deep Learning

3 - 4/2022

Improving Deep Neural Networks

Coder/Analyst

- Use techniques such as L2 and Dropout Regularization and evaluate their effectiveness in avoiding overfitting in neural nets.
- Analyze the benefits of Learning Rate Decay and apply it to optimization.
- Apply optimization methods such as Gradient Descent, Momentum, RMSProp and Adam.
- Use Random Minibatches to accelerate convergence speed of the neural net.

Project in Artificial Intelligence

12/2021

Solving Extended Wolf-Goat-Cabbage Problem

Coder/Analyst

- Propose and program algorithms using Breadth-first, A-star and IDA-star search to find optimal solution.
- Work with 4 other partners to make an analysis about the comparison of the optimization of each algorithm to solve the problem

Project in Optimization

12/2021

Solving Thesis Defense Committee Optimization Problem

Coder/Analyst

- Represent the given problem by a mathematical model.
 - Use Google OR-tools for Python to build Integer Linear Programming Model for the problem.
 - Propose and program algorithms using Branch and Bound and Brute Force.
 - Write evaluation report on the efficiency of different algorithms used.
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ACTIVITIES

CODERS & PHILOSOPHERS 2022, Pencil Philosophy

3 - 4/2022

- Work in a group of 5 people to create a course review site for HUST students.
 - Participate in weekly discussions on topics in philosophy, society and economics.
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SKILLS

Languages:

English

Programming languages:

Python: Advanced (using TensorFlow to build a Neural Network System)
HTML, CSS, Javascript: Intermediate (using ReactJS to build web frontend)
Java: Intermediate (OOP skills)
SQL: Intermediate

Certificate:

IELTS: 5.5
Coursera: Deep Learning Specialization