

Huy (Nick) Doan

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EDUCATION

Tufts University, Medford, MA
B.S Computer Science
GPA 3.93, Dean's List all semesters

Expected May 2024

RELEVANT COURSES

Data Structures, Algorithms, Introduction to Software Development Tooling, Discrete Mathematics, Calculus, Linear Algebra

EXPERIENCE

ZaloPay, Vietnam

July 2021 – September 2021

Product Intern

- Analyzed customers' interaction with the application and identify improvements
- Evaluated new features in A/B testing sprints and presented insights
- Developed a web prototype as proof of concept for automated banking process feature

CoderSchool, Vietnam

April 2021 – June 2021

Teaching Assistant

- Supported students in Python, data analysis, and traditional and deep learning modules
- Facilitated class activities and monitored students' academic growth

CoderSchool, Vietnam

December 2020 – February 2021

Data Engineer Intern

- Streamlined data collection and preprocessing from Google Analytics, Facebook Marketing, Mailchimp, and Google Sheets, and automated data storage in Google BigQuery
- Collaborated with different departments to create a dashboard for the company

PROJECTS

Sorting Algorithms

- Implemented popular sorting algorithms and analyzed runtime on different inputs
- Plotted runtime graphs and presented insights to Algorithms teaching assistants
- Identified algorithm use cases and optimized implementations

Fashion MNIST

- Classified clothing items based on the border pixel - OpenCV was used to extract clothing edges and passed to a Tensorflow dataset
- Built an autoencoder using Tensorflow low-level API to extract feature vectors
- Predicted the feature vectors using a Random Forest Classifier

Collision Model

- Simulated 1-dimensional collision using popular numerical integration techniques

ACTIVITIES

JumboCode, *Developer*

September 2020 – Present

- Developed a web application for Tufts University Prison Initiative to help the administration to track the academic progress of incarcerated and formerly incarcerated students
- Designed React component mock-ups and implemented backend features in Django

US Boarding School Conference, *Chairman*

2016 – 2018

- Networked with Vietnamese students studying at boarding schools in America
- Created post content ideas and edited writers' content about boarding school experience
- Hosted a boarding school fair every summer for 200 Vietnamese students

SKILLS

Programming Languages: Python, HTML5, JavaScript, Bash

Data Analysis: Seaborn, Matplotlib, Pandas, Numpy, SQL, Google Data Studio

Machine Learning: Scikit-learn, Tensorflow

Software Toolings: Git, Heroku, Vim

Language: Vietnamese (native), English (fluent), Mandarin (intermediate)