Huy (Nick) Doan

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EDUCATION

Tufts University, Medford, MA — Expected May 2024
B.S Computer Science
GPA 3.93, **Dean's List** all semesters

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 identified 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 given known inputs and optimized implementations

Fashion MNIST
- Classified clothing items based on the border pixel - OpenCV was used to extracted 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 student writers' content on 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)