

# Huy (Nick) Doan

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EDUCATION	<b>Tufts University</b> , Medford, MA B.S Computer Science GPA 3.93, <b>Dean's List</b> all semesters	Expected May 2024
RELEVANT COURSES	Data Structures, Algorithms, Introduction to Software Development Tooling, Discrete Mathematics, Calculus, Linear Algebra	
EXPERIENCE	<b>ZaloPay</b> , Vietnam <i>Product Intern</i> <ul style="list-style-type: none"><li>Analyzed customers' interaction with the application and identify improvements</li><li>Evaluated new features in A/B testing sprints and presented insights</li><li>Developed a web prototype as proof of concept for automated banking process feature</li></ul> <b>CoderSchool</b> , Vietnam <i>Teaching Assistant</i> <ul style="list-style-type: none"><li>Supported students in Python, data analysis, and traditional and deep learning modules</li><li>Facilitated class activities and monitored students' academic growth</li></ul> <b>CoderSchool</b> , Vietnam <i>Data Engineer Intern</i> <ul style="list-style-type: none"><li>Streamlined data collection and preprocessing from Google Analytics, Facebook Marketing, Mailchimp, and Google Sheets, and automated data storage in Google BigQuery</li><li>Collaborated with different departments to create a dashboard for the company</li></ul>	July 2021 – September 2021  April 2021 – June 2021  December 2020 – February 2021
PROJECTS	<b>Sorting Algorithms</b> <ul style="list-style-type: none"><li>Implemented popular sorting algorithms and analyzed runtime on different inputs</li><li>Plotted runtime graphs and presented insights to Algorithms teaching assistants</li><li>Identified algorithm use cases and optimized implementations</li></ul> <b>Fashion MNIST</b> <ul style="list-style-type: none"><li>Classified clothing items based on the border pixel - edges were extracted with OpenCV</li><li>Built an autoencoder using Tensorflow low-level API to extract feature vectors</li><li>Predicted the feature vectors using a Random Forest Classifier</li></ul> <b>Collision Model</b> <ul style="list-style-type: none"><li>Simulated 1-dimensional collision using popular numerical integration techniques</li><li>Deployed the application on Streamlit with options to configure the simulation</li></ul>	
ACTIVITIES	<b>JumboCode</b> , <i>Developer</i> <ul style="list-style-type: none"><li>Developed a web application for Tufts University Prison Initiative to help the administration to track the academic progress of incarcerated and formerly incarcerated students</li><li>Designed React component mock-ups and implemented backend features in Django</li></ul> <b>US Boarding School Conference</b> , <i>Chairman</i> <ul style="list-style-type: none"><li>Networked with Vietnamese students studying at boarding schools in America</li><li>Created post content ideas and edited writers' content about boarding school experience</li><li>Hosted a boarding school fair every summer for 200 Vietnamese students</li></ul>	September 2021 – Present  2016 – 2018
SKILLS	<b>Programming Languages:</b> Python, HTML5, JavaScript, Bash <b>Data Analysis:</b> Seaborn, Matplotlib, Pandas, Numpy, SQL, Google Data Studio <b>Machine Learning:</b> Scikit-learn, Tensorflow <b>Software Toolings:</b> Git, Heroku, Vim <b>Language:</b> Vietnamese (native), English (fluent), Mandarin (intermediate)	