Huy Trong Doan (Nick)

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EDUCATION

Tufts University　　　　　　　　　　　　　　　　　　　　Medford | Expected May 2024
B.S Computer Science
Coursework: Algorithms, Calculus, Computational Theory, Database Systems, Data Structures, Discrete Mathematics, Introduction to Development Tooling, Linear Algebra, Machine Structures
In Progress: Cloud Computing, Probability, Programming Language, Security

WORK EXPERIENCE

MARKIT SOCIAL　　　　Software Engineer Intern　　　　Boston | May 2022 - Present
- Develop an IOS platform for artists and musicians to re-engage their audience with personalized texting tools
- Load in-app profile 3685ms faster by restructuring asynchronous functions and flattening nested components
- Refactor 8 API routes using MVC design pattern and simplify request validation code with reusable middlewares
- Track 100 transactions weekly by standardizing API response and building a Google Cloud logging infrastructure

TUFTS UNIVERSITY　　　　Algorithms T.A　　　　Medford | Jan 2022 - Present
- Guide 147 students in complexity analysis, sorting techniques, graph traversal and searching algorithms
- Lead 25 students in weekly recitation and host office hours to reinforce materials

ZALO PAY　　　　Data Analyst Intern　　　　Vietnam | Jul 2021 - Sep 2021
- Analyzed 3 million users filling out a bank form and improved 3% end-to-end success rate through a pop-up guide
- Defined success metrics with a product manager and evaluated 25 new features across 4 A/B testing sprints
- Reduce the team's effort to filter 300 daily customer support tickets by building a Random Forest model
- Prototyped a web application for automated bank loading form with a 75% success rate on 100 users

CODER SCHOOL　　　　Data Engineer Intern　　　　Vietnam | Dec 2020 - Feb 2021
- Processed 1,000 leads daily from Google Analytics and Facebook Marketing using a scheduled function
- Designed a database schema for marketing leads and revenue and automated a Google Data Studio dashboard

PROJECTS

DREAM　　　　　　　　　　　　　　Express, Jira, MongoDB, React Native
- Built an IOS application for users to journal dreams and organize their dream patterns using a calendar view
- Participated in weekly SCRUM meeting to refine user story and divide implementation plans into smaller tickets

TUPIT　　　　　　　　　　　　　　Django, NextJS, PostgreSQL, Sass
- Built a web application for the administration to track the academic progress of formerly incarcerated students
- Participated in weekly PR reviews with 8 developers and modularized the codebase with 3 reusable components
- Implemented filtering on 4 API resources to reduce workload on client-side

SORTING ALGORITHMS　　　　　　　　　　　　　Python, Matplotlib, Numpy
- Implemented popular sorting algorithms and visualized runtime on sorted, unsorted, and random inputs
- Improved randomized Quicksort on 2000 numbers by 0.3ms using pre-computed indices

SKILLS

Languages: Bash, C, C++, CSS, HTML5, JavaScript, Python
App Development: Express, Django, Firebase, Heroku, MongoDB, PostgreSQL, React, Redux, TypeScript
Data Analysis: Google Data Studio, Matplotlib, Numpy, Pandas
Technologies: Git, Github, Google Cloud, Linux (Ubuntu), Stripe, Twilio