

Vy Kiet Dang

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EDUCATION

University of California, San Diego

La Jolla, CA

Bachelor of Science in Computer Science - GPA: 3.6 / 4.0

Expected Jun. 2026

- **Relevant Coursework:** Software Engineer, Data Structure & Algorithms, Intro to Artificial Intelligence; Intro to Machine Learning, Computer Security (In Progress)

TECHNICAL SKILLS

Languages: Python, Java, C++, C, HTML/CSS, JavaScript

Developer Tools: VS Code, IntelliJ, Eclipse

Libraries: NumPy, Pandas, Scikit-learn, Git, VS Code, Linux

RELEVANT EXPERIENCE

CRLA Certified Calculus Tutor

Sep. 2023 - Jun. 2024

Pasadena City College

Pasadena, CA

- Provided 400+ hours of one-on-one and group tutoring to 100+ college-level calculus students.
- Created personalized insights for students, and reported back on academic performance to professors.
- Leveraged multilingual skills to support students struggling with English comprehension.

Web Developer Intern

Jan. 2021 - May 2021

HonuSquare

Los Angeles, CA

- Developed and maintained responsive web pages using HTML and CSS to enhance user accessibility.
- Reduced page load time by 20% by refactoring HTML, optimizing images, and improving site layout.
- Managed the products page and data markup, ensuring accurate search engine display.
- Translated product descriptions from English to Vietnamese to support international users.

PROJECTS

Beer Recommending System (Machine Learning using Bayesian Network) |

Python, Pandas, Bayesian Networks, Data Modeling

- Built a beer recommendation model using a 3-layer Bayesian network that takes user preferences as input nodes.
- Cleaned and reformatted Kaggle dataset into structured CSV files with labeled attributes for model training.
- Compared multiple probabilistic models (e.g., Hidden Markov Models) and selected Bayesian Networks due to independent feature nodes.
- Computed match scores by evaluating node compatibility between beer features and user input preferences.
- Served as front-end and model architect, designing the probabilistic graph and ensuring accurate conditional dependencies.
- Developed a command-line interface to generate top 10 beer recommendations with details including beer name, type, online ratings, reviews, and match score (/10).

Let Me Cook — Recipe Card Web Application |

HTML, CSS, JavaScript, IndexedDB, Agile Development, GitHub CI/CD

- Collaborated in an 11-member Agile team to develop a recipe-sharing web app over a 5-week sprint.
- Implemented recipe submission forms and JavaScript-based input validation to ensure accurate data entry.
- Integrated browser **IndexedDB** to store and manage recipe data locally for persistent user access.
- Assisted with testing and GitHub CI/CD to improve team workflow.
- Presented final demo showcasing functional MVP and gained hands-on experience with Agile development practices.