

Quan Lam Do

Santa Clara CA

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SUMMARY

Aspiring software engineer with a foundation in computer science and hands-on experience as a Math Learning Center Tutor at Santa Clara University. Demonstrates strong problem-solving skills through individualized tutoring sessions that boost student understanding and success. Eager to apply technical skills in Python, C programming, and knowledge of data structures to software development. Seeks to leverage academic and tutoring expertise to contribute effectively to a valuable software engineering internship.

EDUCATION

SANTA CLARA UNIVERSITY

Santa Clara, CA

Bachelor in Computer Science and Engineering | Member of the University Honors Program (UHP)

Expected Graduation Date: June 2027

- Grade: Sophomore
- Cumulative GPA: 3.85/4.0
- **Relevant Coursework:** CSEN 11 (Advanced Programming), CSEN 12 (Data Structure), CSEN 19 (Discrete Math), CSEN 20 (Introduction to Embedded System)

STANFORD UNIVERSITY - SUMMER SESSION

Stanford, CA

June 2024 - August 2024

- Cumulative GPA: 3.85
- **Relevant Coursework:** CS109 (Probability and Statistics for Computer Science), CS161 (Design and Analysis of Algorithm)

WORK AND LEADERSHIP EXPERIENCE

Santa Clara University

July 2024 - Present

Math Learning Center (MLC) Tutor - Math 12 - 13 -14

- Provide one-on-one and group tutoring sessions for undergraduate students, enhancing their understanding of mathematical concepts and problem-solving skills.
- Collaborate with faculty members to design tailored tutoring strategies for students, boosting their academic performance and confidence in math courses.
- Empower students to develop independent study techniques, leading to improved test scores and course comprehension.

Make A Smile Foundation

June 2022 - August 2023

Vice President of Event Management

- Spearheaded the planning and execution of large-scale fundraising initiatives to support families impacted by COVID-19.
- Generated over 20 million VND (equivalent to \$1,000 USD) in donations through strategic event management and community outreach.
- Directed cross-functional teams, optimizing event logistics and enhancing donor engagement to maximize contributions.

PERSONAL PROJECTS

Logistic Regression and Naive Bayes Accuracy Comparison - Diabetes Prediction

2024

- Developed and implemented predictive models using Python and scikit-learn to forecast diabetes in patients based on demographic data.
- Achieved 77% accuracy using Logistic Regression and Naive Bayes models on a continuous dataset.
- Analyzed and compared model performance to determine suitability for different data types.

Brain Tumor Detection and Classification

2024

- Built and trained a Convolutional Neural Network (CNN) using TensorFlow/Keras for multi-class brain tumor detection with 92% test accuracy.
- Enhanced model performance using data augmentation and dropout (0.5) techniques to prevent overfitting.
- Developed an interactive web app using Streamlit for brain MRI tumor classification.

Movie Recommendation | Python, Streamlit, Scikit-Learn, CountVectorizer

2024

- Developed a content-based movie recommendation system using **cosine similarity** to compute movie relationships
- Built an interactive web interface with **Streamlit**
- Integrated TMDB API to fetch real-time movie posters, enhancing visual appeal

Hate Speech Detection | Python, Flask, BeautifulSoup, Scikit-Learn

2024

- Developed a web-based application to detect hate speech from scraped website text using a **Decision Tree Classifier** and **TF-IDF vectorization**
- Integrated **BeautifulSoup** for web scraping and text extraction, enabling real-time data analysis
- Optimized text preprocessing and implemented CSV export functionality for detected content

SKILLS AND INTERESTS

Technical Skills: Python, Scikit-Learn, Tensor flow, C programming, Data Structure, Statistics and Probability, Web Scraping

Soft Skills: Presentation, Teamwork, Critical Thinking

Interest: Machine Learning, Artificial Intelligent, Machine Learning, and Software Engineer

CERTIFICATIONS

- **C Intermediate** | Issued by **Sololearn**
- **Python Intermediate** | Issued by **Sololearn**
- **Generative AI Fundamentals** | Issued by **Databricks**
- **Introduction to LLMs** | Issued by **Google**
- **Debate Championship** | Issued by **Swinburne University**
- **The World Scholar's Cup** | Issued by **Daniel Berdichevsky**