Thanh Ngan Phan

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EXPERIENCE

Teaching Assistant
YOLA English Center   **March 2021 - August 2021, Ho Chi Minh City, Vietnam**

· Completed 100% daily reports on attendance and disciplinary performance
· Assisted in maintaining an engaging and respectful educational environment by promoting discipline and cooperation
· Tutored struggling students individually and in small groups of 1- 4 students to reinforce learning concepts.
· Providing feedback to reinforce positive behaviors and improve understanding of difficult concepts.

EDUCATION

Bachelor of Science in Computer Science
University of California, San Diego · San Diego, CA · 2023

Non-Degree Seeking
Santa Monica College · Santa Monica, CA · 2021

COURSEWORK

Programing Language: Principal Paradigm
University of California, San Diego · Lambda Calculus, Haskell
Learned and practiced the functional programming language in complement with applied to implement common tasks and data structures

Theory of Computability
University of California, San Diego · 2023 · Mathematical theory of computability, Turing machine
Successfully understood and applied the computational theory in designing finites automata and regular expressions.

Introduction to Computer Architecture
University of California, San Diego · Computer Architecture
Acquired comprehensive understanding of the various components that form a computer system and the functionalities of the CPU, memory units, and their interconnections to facilitate computer performance

Design & Analysis of Algorithm
University of California, San Diego · Design and Analyze algorithms
Built a significant understanding with the emphasis on algorithms including sorting, searching, pattern matching, and graph algorithms

Advanced Data Structure
University of California, San Diego · Java, Data Structure customized implementation
Analyzed the efficiency of a data structure in addition to appropriate searching/sorting algorithms depending the usage of an application

INVOLVEMENT

General Member
Santa Monica College · International Student Forum SMC Santa Monica, CA · September 2019 - June 2020
· Weekly meeting to get to know variety of divergent backgrounds from around the world
· Expanded communication and collaboration skills in a multicultural setting
· Gained broader view of the people and their significance from diverse cultures

SKILLS

Language: English, Vietnamese

Successfully identified individuals needs to be able to provide appropriate and timely supports in a group settings

Respond quickly to new instructions, situations, methods, procedures and strive to improve performance

Solid understanding in high performance data structures and supporting algorithms. Have experience in performance analyzing, extensive working with data structure in C++ and Python

Accumulated skills in software development involving designing, implementing and testing. Successfully applied and contributed to a collaborative team-setting project using HTML, CSS and JavaScripts as the main programming languages.