

Thomas Thuan F. Le Nguyen

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EDUCATION

California State University San Marcos
B.S. in Computer Science and Mathematics

Expected Graduation: May 2024
GPA: 3.542

TECHNICAL SKILLS

- C++, Java, Javascript, HTML, CSS, Python, Assembly
- Linux, Mac OSX, Windows, Android
- Visual Studio, Eclipse, Atom, PyCharm, MARS, Xcode

EXPERIENCE

CSIS Department, CSUSM

Jan 2022 - Present

Instructional Student Assistant

- CS211 - Computer Science II.
- CS433 - Operating Systems.

CSIS Department, CSUSM

June 2021 - August 2021

Research Intern

- Ran YOLOv4 models on a Coral Development Board.
- Benchmarked frames per second and average precision.
- Worked in environments such as Linux OS and Google Colab.
- Ran local servers on Jupyter and Google Colab.
- Created and presented a [poster](#) of my research.
- Funded by Genentech Foundation.

Code Ninjas, Encinitas, CA

April 2019 - Present

Lead Coding Instructor

- Taught coding to ages ranging from 5-14 years of age.
- Block coding in programs like Scratch and GameFroot.
- JavaScript coding in the Code Ninjas curriculum.
- Lua programming in Roblox Studio.
- Minecraft world editing with TinkerCad and MCEdit.

La Clase Magica, Solana Beach, CA

August 2017 - June 2018

FLL Jr. Mentor

- Mentored kids from underserved communities for the FIRST Lego League Jr. competition.
- Helped plan and guided students to build a water system out of Legos.
- Taught the importance of clean water and illustrated the different water systems and cleaning services.

COURSE PROJECTS

- **Student Database:** (C++) Takes in student information such as 10-digit ID, name, and GPA. Converts student's 10-digit ID into a more convenient number using DJBX33A hash algorithm. Utilizes hash tables.
- **Infix Calculator:** (C++) Takes in an infix expression and computes. Checks for inconsistent inputs. Able to compute with basic operators. Utilizes stack.
- **Dictionary:** (C++) Takes a text and puts the words into a dictionary format. Explicit words are removed from the dictionary. Different letter files are created with words starting with the letter. Utilizes linked lists.
- **Calculator Game:** (C++) Game where you have to compute 2 random operands and an operator (add, subtract, multiply, divide). If the queue hits the size of 10, the player loses. Game is won when 100 questions are answered correctly. Time it takes for the next question to appear depends on the difficulty chosen. Utilizes threading.

CERTIFICATIONS

JPMorgan Chase Virtual Experience Program Participant (2022) - (5 Hours)

Participated in the open access JPMorgan Chase Virtual Experience Program with Forage.

Tasks Completed

- Interface with a stock price data feed
- Use JPMorgan Chase frameworks and tools
- Display data visually for traders