

VICKY NGUYEN

github.com/vickynguyen3 • Dallas, TX

TECHNICAL SKILLS

Front End | Javascript, HTML, CSS

Back End | C/C++, Java, Python, SQL, Node.js, Express

Developer Tools | Git, VS Code, Figma, Notion, Trello, Slack, Agile Methodology

Qualifications | Linux, shell scripting, Natural Language Processing, Computer Networks, Object-Oriented Design

EDUCATION

University of Texas - Austin May 2026

Master of Science, Data Science

The University of Texas at Dallas May 2023

Bachelor of Science, Computer Science GPA 3.7/4.0

PROJECTS

IQnic (Tutoring Website), Senior Capstone Project

Javascript, Node.js, Express, MongoDB

- Assisted in the creation and design of database schema
- Designed and integrated an API using Express for frontend utilization, ensuring ease-of-use
- Utilized Insomnia API testing tools, reducing total errors, decreasing time spent on debugging, and increasing performance
- Wrote documentation that details example API calls, parameters, and answers

Van Gogh Chatbot

Python

- Small-scale Van Gogh chatbot capable of holding basic conversations and providing users with informative insights about Van Gogh
- Applied NLTK, spaCy, and VADER for input parsing, dependency parsing, and sentiment analysis
- Trained a scikit-learn neural network using a medium sized dataset (10,000) for multi-label classification

Mini Shell Program

C++

- Constructed a simple shell inspired by Bash capable of executing both simple and complex commands, implementing process forks, pipes, and file descriptors

EXPERIENCE

AVID Tutor | Plano ISD Jan 2022 - Present

- Implemented positive-reinforcement techniques for 250+ students, leading to an increase in engagement and confidence
- Emphasize critical thinking through small group activities
- Worked closely with students on specific class challenges, closely reviewing materials and assignments to offer targeted help

ACTIVITIES

Society of Asian Scientists and Engineers (SASE), Marketing and Design Officer Oct 2021 - Dec 2022

American Institute of Aeronautics and Astronautics (AIAA), Web Officer Sept 2022 - May 2023