Kenny Nguyen

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EDUCATION

The University of Texas at Austin *Bachelor of Science, Computer Science* *December 2025*
Minor in: Philosophy
Overall GPA: 3.2

Relevant Coursework: Data Structures, Computer Organization and Architecture, Differential Calculus, Discrete Mathematics, Operating Systems

TECHNICAL SKILLS

- Proficient in Java, C, C++, Python, HTML, CSS, and JavaScript; Familiar with Assembly and Swift
- Frame and Tools: React, Node.js, OpenAI API, Arduino, VSCode, Raspberry Pi, Git, Linux, JCreator, MongoDB
- Fluent in English and Vietnamese

EXPERIENCE & LEADERSHIP

Texas Vietnamese Student Association(VSA) - *Family Chair*; Austin, TX *May 2023 - May 2024*

- Created automated scripts to categorize more than 200 members into families utilizing Google API and form data, considering a range of characteristics
- Revamped the club website entirely, developing it from the ground up to showcase live family data effectively and manage a comprehensive database of past and present member

4K Computer - *IT Technician*; Houston, TX *August 2021 - August 2023*

- Provided comprehensive maintenance support for PCs, networks, and mobile devices for 10 different businesses
- Demonstrated expertise in setting up, repairing, and fine-tuning networks through proficient installation of various hardware
- Acted promptly to address end-user support queries and guiding individuals through troubleshooting procedures

Mathnasium - *Math Tutor*; Houston, TX *November 2020 - November 2021*

- Cooperated with parents and guardians to assess the students plans and progress
- Curated and organized specialized learning plans for hundreds of students
- Enforced positive reinforcement and established rapport amongst students for motivation

PROJECTS

Friendly Faces - Swift, CreateML, CoreML

- Developed a facial recognition software employing CreateML to discern familiar faces from strangers, leveraging a training data for accuracy and security
- Transmits live camera data to the model for real-time analysis, presenting relevant information aesthetically
- Enhanced the application's recognition capabilities utilizing Apple's DeeplabV3 and Resnet50 CoreML Models

QlockTwo Replica - C, Python

- Implemented software and hardware to successfully replicate the QlockTwo, an artistic timepiece renowned for its unique method of displaying time using words
- Utilizing Python in combination with a Raspberry Pi to maintain the display based on the Linux sysclock kernel time
- Integrated WS2812B LEDS with the software through the usage of a breadboard and soldering

InKey - HTML, Tailwind CSS, JavaScript, MongoDB, Node.js, React

- Engineered a web application transforming keyboards into pianos, seamlessly melding front-end and back-end functionalities, enabling users to compose, save, and share their musical creations with ease
- Revamped user profile creation, piano screen functionality, and overall user interface using React and Node
- Employed MongoDB to facilitate scalable storage of user data and compositions, ensuring efficient management and accessibility