Casey Nguyen

214-989-5374 | ceen2327@gmail.com | www.linkedin.com/in/caseynguyen2327 | https://github.com/ceenguyen05

EDUCATION

University of Texas at Dallas   Richardson, Texas
GPA 3.75, B.S Computer Science   *August 2023 – December 2026*

Awards
Dean's List Since Spring 2024 (Top 10 Percent of All UTD Undergraduates)   *Spring 2024 - Present*

Relevant Courses

- *Data Structures and Algorithms*
- *Software Engineering*
- *Systems Programming in UNIX*
- *Database Systems*
- *Advanced Algorithm Design and Analysis*
- *Computer Architecture*

EXPERIENCE

iCode Instructor   2025 - Present

- Taught coding, robotics, web, and mobile app development across age groups 5–15, including Python, Java, Minecraft/Roblox, UE5 game development, and AI tools like ChatGPT.
- Mentored students on programming, drones, and cybersecurity projects, fostering problem-solving, technical confidence, and independent learning.
- Led small student teams on hands-on projects, promoting collaboration, teamwork, and practical application of coding concepts.

PROJECTS

AI Development   2024
Python, Artificial Intelligence / Machine Learning

- Implemented a knowledge-based inference engine capable of logical reasoning over structured facts, enabling the system to answer queries and derive new conclusions.
- Applied core AI techniques such as search algorithms, inference, and optimization to build small-scale but functional intelligent systems.

Crowd-Sourced Disaster Relief Platform   2025
Dart, Python, C++, CMake, Flutter, Firebase

- Collaborated on a 3-person team as the Project Manager and lead Full-Stack Engineer, implementing backend services (Firebase, Python) and mobile UI (Flutter) to deliver a flawless cross-platform experience.
- Designed and deployed an AI-driven matching system that connected victims with the nearest available aid, reducing simulated response times by 40 percent.
- Integrated geo-location services, real-time disaster mapping, and a secure donations portal, enabling scalable support for hundreds of concurrent requests.

TECHNICAL SKILLS

Programming Languages
Java, Python, C++, C, JavaScript, TypeScript, SQL, C-Sharp, Dart, PHP, Go, Swift, Kotlin, HTML, CSS

Frameworks and Libraries
Flask, Django, FastAPI, Flutter, Express.js, AngularJS, React

DataBases
MySQL, PostgreSQL, Oracle, Firestore, MongoDB

Soft Skills
Communication, Teamwork, Problem-Solving, Abstract Ideas, Goal Oriented