

Andrew Nguyen

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EDUCATION

Bachelor of Science in Computer Science

University of Houston, College of Natural Sciences and Mathematics

Expected Graduation: June 2025

SKILLS

Programming languages: Python, C++ (strong proficiency); HTML, CSS, JavaScript (intermediate proficiency); SQL (basic proficiency)

Technologies: PyCharm, Visual Studio, Visual Studio Code, React.js, TailwindCSS (basic proficiency)

PROJECTS

Weather Forecasting Application

HTML, CSS, Javascript, React.js

August 2023 – Present

- Utilized React.js to create an interactive user interface that allows users to easily search for weather information for any location.
- Integrated WeatherAPI's free API to fetch real-time weather data, including temperature, humidity, wind speed, and conditions, along with a 3-day forecasting feature, allowing them to see future weather conditions to plan their activities effectively.
- Implemented error handling and data validation to ensure the reliability of weather information displayed to users.

Personal Portfolio Website

HTML, Javascript, Next.js

May 2023 - Present

- Created a responsive personal portfolio using Next.js and Tailwind CSS, optimizing for performance and visual appeal.
- Implemented a secure contact form feature, enabling seamless communication through personalized emails directly from the website.
- Showcases projects and skills, enhancing personal branding. Strategized and planned the deployment process for the site on platforms like Vercel for continuous availability and updates.

Post Office Database

HTML, CSS, Javascript

March 2023 – May 2023

- Worked with a team of 4 to design and implement a package handling system which allows users to track the data of incoming and outgoing packages.
- Assisted in creating a database for the website by using SQL to store package information.
- Assisted in the implementation of front-end design by using HTML and CSS to create a seamless user experience.

MuSentiment

Python, BeautifulSoup, Matplotlib, Pandas

October 2021

- Collaborated with team of 4 to create data science model identifying correlations between music sentiment of 1500 songs from different time periods to depression and drug use rates.
- Led implementation of BeautifulSoup module to parse drug use data from CDC website.
- Awarded 2nd Place at Texas A&M's Datathon.

PROFESSIONAL EXPERIENCE

University of Houston, Houston, TX

IT Customer Service Support

August 2021 – September 2023

- Troubleshoot and resolve issues with software and hardware for university students and staff.
- Walk colleagues or clients through steps to help them resolve their technical problems.
- Collect and analyze customer information for trends. Synthesize findings into service reports for departmental review.

After School STEM Coders, Houston, TX

Moderator

August 2020 – August 2021

- Co-founded University of Houston's largest computer science society, consisting of over 900 members, which was conceived as a communal nexus to address gaps in student experiences during the era of remote/hybrid learning.
- Created professional development, networking, and social opportunities for UH Computer Science, with special initiatives aimed at expanding opportunities to underrepresented communities.