

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, CSS, Javascript, React.js

May 2023 - Present

- Created a responsive personal portfolio using React.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 deployed the site on Github Pages.

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.