

Andrew Nguyen

(832) 530-0481 | andrew.nguyen.ta@gmail.com | LinkedIn: [andrewnguyenta](#) | Github: [AndrewN2001](#)

Education

University of Houston, Houston, TX

Bachelor of Science, Computer Science

Expected June 2025

Relevant Coursework: Algorithms and Data Structures, Software Design, Database Systems, Computer Organization and Architecture, Operating Systems, Data Science I/II

Skills

Programming Languages: Python, C++, HTML, CSS, JavaScript, SQL

Developer Tools: Git/Github, Visual Studio Code, PyCharm, MongoDB Compass, DBeaver, Postman, Jupyter Notebook

Technologies/Frameworks: React, Node.js, Express.js, MySQL, Tailwind CSS, Bootstrap, Scikit-learn

Project Experience

Voluntify

React, ExpressJS, NodeJS, MongoDB

September 2024 – Present

- Led a team of 2 to develop a full-stack web application enabling 100+ users to sign up for and track events based on preferences, while also managing user and event data for administrators.
- Designed and developed the backend using MongoDB, ExpressJS, and NodeJS, using RESTful APIs to handle user authentication, event tracking, personalized recommendations, and administrator functionalities.
- Implemented Agile methodologies, reducing development cycle times by 20% and ensuring timely delivery of project milestones.

Weathering

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 50+ users 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.

Post Office Database

HTML, CSS, Javascript

March 2023 – May 2023

- Collaborated with a team of 4 to design and implement a package handling system enabling 100+ users to efficiently track incoming and outgoing packages.
- Played a role in establishing a robust MySQL database, ensuring data integrity and accessibility for 100+ package records, utilizing SQL to ensure data integrity and accessibility.
- Contributed to the implementation of the front-end design, enhancing user interaction and aesthetics, by leveraging HTML and Tailwind CSS to craft a visually appealing and intuitive user interface.

Professional Experience

University of Houston, Houston, TX

IT Customer Service Support

August 2021 – September 2023

- Troubleshoot and resolved over 500 software and hardware issues for over 50,000 university students and staff.
- Guided over 100 clients and colleagues weekly through step-by-step technical solutions, reducing repeat incidents by 15% and improving satisfaction.
- Collected and analyzed customer data to identify service trends, delivering insights in reports that improved service efficiency by 10%.

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.