

# Tianchou(Joe) Gong

gong.tian@northeastern.edu • (267)240-4478 • San Jose, CA  
Github:<https://github.com/GongTianchou>

## EDUCATION

---

**Northeastern University**, San Jose, CA

August 2022 - May 2025

Candidate for a Master of Science in Computer Science, GPA 4.0/4.0

**Temple University**, Philadelphia, PA

September 2014 - August 2016

Bachelor of Actuarial Science, GPA: 3.54/4.0

## EXPERIENCE

---

**Northeastern University**, San Jose, CA

May 2023 - Present

*Graduate Research Assistant*

- Collaborated closely with a professor to facilitate cutting edge research on SQL Autograder.
- Built a user-friendly web interface using JavaScript for seamless interaction.
- Implement automated testing procedures to ensure the accuracy and reliability of grading results.
- Cooperate with Codegrade company to test the system in Database Management course in Fall 2023 to gather requirements and incorporate feedback for continuous improvement.
- 

## PROJECTS

---

**Full Stack Online Shopping**

November 2022 – February 2023

- Developed a responsive online shop using **React** to facilitate the buying and selling of used products within the local market.
- Integrated with **GraphQL** queries and mutations to fetch and update product data, implemented user authentication, and incorporated payment gateway Paypal for secure transactions.
- Implemented user authentication features, allowing users to create accounts, log in, and manage their profiles securely.
- Developed a product listing page with filters and search functionality to enable easy product discovery.
- Created a product details page to provide comprehensive information about each item and allow users to add products to the shopping cart.
- Built a shopping cart component to manage product quantities, handle updates, and calculate the total price.
- Ensured a visually appealing design and responsive layout for optimal usability across various devices and screen sizes.

**Full Stack City Weather Forecast**

June 2022 - July 2022

- Developed a website that offers multiple cities 5-day forecast outlook for travelers, added user's search to the search history, and provided travelers an easy way to make informed decision.
- Used the service-side **OpenWeather service APIs** to retrieve weather data (including temperature, and wind speed) for cities; developed the frontend using **HTML** and **CSS**; Updated the website throughout **Bootstrap**'s grid system, Utility Classes, and UI components.
- The search history feature allowed users to easily access previously searched locations without having to manually search again, which saved time and improved the user experience in scheduling multiple cities' travel plans.

## TECHNICAL SKILLS

---

**Languages:** Python, Java, C, HTML, CSS, JavaScript

**Tools & Frameworks:** GitHub, AWS, React.js, jQuery, JSON, express.js, node.js, Bootstrap

**Databases:** MS Access, SQL Server, MongoDB Database