

# Shenghan Cheng

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## EDUCATION

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New York University, College of Arts and Science, New York, NY Sept 2020-May 2024

Bachelor of Science in Mathematics and Computer Science, GPA: 3.79

Relevant Coursework: Applied Internet Technology, Basic Algorithms, Object Oriented Programming

## SKILLS

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**Coding Languages:** JavaScript, TypeScript, Python, Java, C++, MongoDB, SQL, CSS, HTML

**Tools and Software:** React, jQuery, Node.js, Redux, Vue, Spring Boot, Git, AWS Amplify, Selenium

**Operating Systems:** Windows, UNIX, Linux

## EXPERIENCE

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**React Developer Intern, GBCS Group,** Remote June-Aug 2023

- Developed and maintained the Aukai repository in **React**. Built the frontend interface with **PrimeReact** and used **Axios** for backend API connections.
- Implemented Annual Reports Form and over **20** features, fostering intercommunication between different stakeholders in the fleet management industry.
- Applied **SOLID** principles to enhance code modularity, ensuring a flexible and scalable structure.
- Managed task allocation within a team of **6**, fostering collaboration and efficiency.
- Designed and conducted regression testing to resolve **15** issues, ensuring optimal user experience across various screen sizes and major browsers.

**Digital Marketing Intern, SCG America,** New York, US June-Aug 2022

- Developed and designed the commercial website for Prime Met Steakhouse with **Squarespace**.
- Utilized **Python scikit-learn** to conduct word-polarity analysis on Yelp datasets, offering insights into customers' preferences for marketing strategy development.
- Improved **SEO** performance by identifying optimal header tags and integrating meta descriptions, increasing monthly website traffic by up to **60%**.

## PROJECTS

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**Recipes** (React, AWS Amplify, Antd) June-Aug 2023

- Created a recipe platform with **React** and **Amplify** to address the shortage of English data for Authentic Chinese Cuisine. Managed states and local storage with **Redux**.
- Designed and implemented data scraping algorithms for the translation of over **3000** recipes, leading to a **100%** reduction in API usage costs.
- Incorporated over **10000** open-source images into the **GraphQL** database.

**Developer: Nino** (Express.js, MongoDB, Bootstrap) Mar-May 2023

- Designed and developed a journal site with **Express.js**, **MongoDB**, and **Passport.js**.
- Provided users with an interactive platform to share their feelings with partners.

**YouTube Interface Customizer** (JavaScript) Feb 2023

- Collaborated in designing the overall architecture of the Mozilla add-on.
- Enabled users to customize over **20** new features, including background color and video scrollbar.

## ACTIVITIES

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Contributor, freeCodeCamp Sept 2022-Jan 2023

Member, International Chinese Christian Fellowship Sept 2021-Sept 2022