Tony Nguyen

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Education

UC San Diego, *M.S. in Computer Science*	La Jolla, CA	Expected Graduation: June 2026
UC San Diego, *B.S. in Computer Science*	La Jolla, CA	Expected Graduation: June 2025

- **GPA:** 3.95/4.0
- **Relevant Coursework:** Advanced Data Structures, Discrete Mathematics, Object-Oriented Design, Mathematics for Algorithms and Systems, Design & Analysis of Algorithms, Theory of Computation

Technical Skills

Skills: HTML, CSS, Javascript, React, NextJS, Firebase, MongoDB, SQL, Python, Java, C, C++, Flask, Pandas

Work Experience

UCSD Computer Science Department   La Jolla, CA
Instructional Assistant   Aug 2023 - Present

- Instructional Assistant for Software Engineering, Design & Analysis of Algorithms, and Theory of Computation courses.
- Collaborated seamlessly with the instructional team to elevate the overall quality of education delivered to students within the university's computer science department.
- Conducted regular office hours, providing a supportive environment for students seeking guidance on coursework-related queries.

Choir Power   La Jolla, CA
Software Engineer Intern   Feb 2024 - April 2025

- Designed and developed an informational dashboard containing 3 graphs using React, HTML, and CSS
- Integrated existing AWS API with dashboard to provide real time updates to dashboard for users
- Identified and removed unnecessary frontend features, leading to user-friendly interface and experience
- Collaborated with backend engineer to optimize AWS API calls and return only necessary data

Personal Projects

Toned - React, Javascript, MongoDB, NextJS   **Website Github**

- Engineered a web application enabling users to log in, add, track, and update their workouts, utilizing Javascript, React, Tailwind CSS, MongoDB, NextJS, and AuthJs.
- Developed a robust REST API with MongoDB, empowering users with dynamic queries for seamless interaction with the database, including the ability to edit their workouts within the application.
- Designed a dynamic and user-friendly UI for both desktop and mobile with Javascript, React, and Tailwind CSS, enhancing the overall usability and engagement for a positive user experience.
- Implemented secure user registration and authentication using AuthJS and NextJS, ensuring a robust and protected user experience.

K-Calendar - React, Javascript, MongoDB, NextJS   **Website Github**

- Developed a web application for monitoring upcoming K-pop song releases, employing Javascript, React, Tailwind CSS, MongoDB, NextJS, and the Spotify API.
- Leveraged the Spotify API and web scraping to curate a comprehensive collection of information for hundreds of artists, with seamless integration and management through MongoDB.
- Crafted a dynamic and user-friendly UI using Javascript, React, and Tailwind CSS to enhance the overall user experience.