

Aaron Wang

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EDUCATION

University of Notre Dame | Notre Dame, IN (Expected) May 2027
B.S. Computer Science | *Applied Computational Mathematics and Statistics* GPA: 3.95
CS Course work: Data Structures, Logic Design, Systems Programming, Discrete Math, Theory of Computing*, Computer Architecture*, and Programming Paradigms*
Online Course work: Harvard CS50, UDEMY Complete JavaScript, and UDEMY React Guide*
Math Coursework: Linear Algebra, Calculus I-III, Probability, Statistical Methods* and Differential Equations* (* current)

EXPERIENCE

University of Notre Dame | Notre Dame, IN September 2024 – Current
Teacher's Assistant | Discrete Math Fall 2024, Data Structures Spring 2025

- Hosting office hours weekly to further explain concepts and supplement in-class lectures
- Creating and grading problem sets with detailed feedback for 80+ students every week

iGoStem Academy | Belle Mead, NJ (Summer) June 2022 – August 2023
Teacher

- Taught a class of ~15 kids STEM related activities, including how to solve a Rubik's cube, animation, and engineering
- Created lesson plans for children who could not yet read or write

PROJECTS

TangoBot | [GitHub](#) **Next.js, TypeScript, MongoDB, Python Playwright, YAML, GitHub Actions**

- Working with a partner to deploy a dynamic website using Next.js, showcasing solutions for every Tango game
- Designing and implementing an automated web scraper to extract content from the Daily Tango game, solve it, and upload the data to a MongoDB database

Go-Stop | [GitHub](#) **Node.js, Express.js, Socket.io, Rest APIs, React**

- Developed a Full Stack WebApp that allows users to play the traditional Korean Go-Stop card game with friends and strangers in real-time
- Programmed a game in JavaScript, leveraging object-oriented programming principles and creating an engaging user interface with React

CCSND Website | [GitHub](#) **React, HTML, JS, CSS**

- Collaborating with University Chinese Cultural Society to design a website that offers relevant information about the club for current and prospective members

LEADERSHIP AND ACTIVITIES

CS For Good | Notre Dame, IN | [GitHub](#) September 2024 - Current

- Developing Web Applications for the Riverbend Community Math Center
- Creating an interactive explorer for Mandelbrot and Juliet Sets to allow users to visualize complex math concepts
- Guiding students through robotics with assistance in creating Python scripts to program a Micro:bit

Delbarton Peer Tutor | Morristown, NJ September 2021 – May 2023
Peer Leader / Tutor

- Co-ordinated appointments for school of 600+ students and 30+ tutors
- Tutored 20+ peers over 2 years in Algebra, Geometry, and Calculus

HONORS

Notre Dame Dean's List Fall 2023 and Spring 2024
USACO Silver Division Jan 2022
Bausch & Lomb Honorary Science Award 2022

TECHNICAL AND LANGUAGE SKILLS

Technical: Java, C, C++, Swift, Python, JS, TS, CSS, HTML, React, Node.js, Express.js, Next.js, SQL, MongoDB, Playwright
Languages: English, Mandarin (conversational)