Vanessa Chen

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EDUCATION

New York University, College of Arts and Sciences   **New York, NY**
B.A. in Computer Science, GPA: 3.93/4.0 (*Presidential Honors Scholar*)   Sep 2020 - May 2024
Relevant Coursework: Data Structures, Basic Algorithms, Object-Oriented Programming, Agile Software Development

Stuyvesant High School   **New York, NY**
High School Diploma, GPA: 3.7/4.0   Sep 2016 - Jun 2020
Relevant Coursework: Artificial Intelligence, Computer Graphics

WORK EXPERIENCE

New York University, College of Arts and Sciences   **New York, NY**
Web Design Tutor   May 2022 - Present
- Host tutoring for an intro-level undergraduate web design course to reinforce students' understanding of class materials
- Communicate via Slack to provide timely feedback to students and collaborate with graders and the Professor
- Aid students in debugging HTML, CSS, and JavaScript code as well as provide assistance for technologies such as UNIX, Visual Studio Code, and GitHub

New York University, College of Arts and Sciences   **New York, NY**
Algorithms Grader   Sep 2021 - Dec 2021
- Graded problem sets for an upper-level undergraduate computer algorithms course for up to 10 hours per week
- Provided detailed feedback on student solutions for problems on topics including dynamic programming, runtime analysis, and graph theory

Roads to Success   **New York, NY**
Success Coach   Sep 2020 - Jan 2022
- Collaborated with 2 other facilitators to teach middle school students coding basics in a weekly Girls Who Code Club
- Led small group discussions to help students foster academic skills such as time management and growth mindsets
- Managed outreach by calling and emailing up to 120 guardians per week to promote upcoming student events, resulting in the recruitment of 10 new students

PROJECTS

Sorting Algorithm Visualizer   Apr 2022 - May 2022
- Built a web app using ReactJS and CSS to help computer science beginners visualize popular sorting algorithms
- Animated Bubble Sort, Insertion Sort, Merge Sort, Selection Sort, and Quick Sort with play/pause options, speed adjustment, timer, and custom input

FitNet   Feb 2022 - May 2022
- Developed a fitness-focused social media app for users to track workouts and interact with others through a general feed
- Built with a ReactJS front-end, ExpressJS back-end, MongoDB database, and deployed with DigitalOcean and Docker
- Adhered to the Scrum framework in a team with 5 other developers to successfully coordinate Daily Standups, Stakeholder Demos, and follow proper Git workflow

SKILLS

Technical: Java, JavaScript (React, Express, Node, jQuery), Python, HTML, CSS, C, C++, Git
Language: Conversational Mandarin
Activities: Big Sibs — Mentor for a class of 34 newly enrolled Stuyvesant High School students during their freshman year
Step — Dance team member for multiple Stuyvesant High School dance shows and musicals for all 4 years