

JUSTIN LIU

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EDUCATION

New York University | Tandon School of Engineering

Bachelor of Science in Mathematics, Minor in Computer Science

Brooklyn, NY

Expected May 2025

Extracurriculars: SLAM! Poetry Club, Ballroom and Latin Dance Team

Coursework: Data structures & algorithms, Calculus 3, Discrete mathematics, Differential equations, Theory of probability, Still and moving images

Achievements: [2023 Dibner Art Showcase](#) (Accepted submissions)

Binghamton University, SUNY | Thomas J. Watson College of Engineering and Applied Science

Major in Computer Science

Binghamton, NY

Aug 2021 - Dec 2022

Achievements: Watson College Dean's List for Fall 2021, ACM Final Programming Competition - Top Freshman/Sophomore

Extracurriculars: Harpur Chorale (Tenor), Association for Computing Machinery (ACM)

Coursework: Programming hardware & fundamentals, Programming with Objects and Data Structures, Calculus 2, Linear algebra, Number systems

Stuyvesant High School

High School Diploma

New York, NY

Jun 2021

SAT 1530/1600

Achievements: AP Scholar with Honor, Poetry Award, 2021 CCNY NYC High School Poetry Contest - Honorable Mention

PROFESSIONAL EXPERIENCE

New York University, Tutor | Brooklyn, NY

Sep 2023 - Present

- Guided and instructed students to help excel in their courses including Calculus, Data Structures & Algorithms
- Adapted to and developed students' learning styles and problem-solving skills

Macy's - Starbucks, Barista | Brooklyn, NY

Jun 2022 - Jun 2023

- Made and served drinks and food for hundreds of customers daily in a fast-paced team environment

Patch The Producer LLC, Software Developer Intern | Remote

May 2022 - Jun 2022

- Collaborated with front-end and full-stack developers as a back-end developer to develop company website
- Worked in a fast-paced environment learning NodeJS from scratch
- Built and tested payment webpage utilizing Firebase, and Stripe
- Innovated company business model to solve potential financial problems by suggesting percentage charge per sale as opposed to flat fee

Freelance Roblox Graphic Designer | Brooklyn, NY

Sep 2014 - Apr 2016

- Established and maintained a freelance graphic design business on Roblox
- Designed and produced over 200 logos, advertisements, clothing, and thumbnails for individual and group clients
- Amassed nearly 13,000 pageviews on DeviantArt
- Utilized Paint.net, Blender, and Cinema 4D to create products

PROJECT EXPERIENCE

Personal website, Web Designer and Developer

Feb 2022 - Present

- Create portfolio website on GitHub pages
- Utilize HTML, CSS, and JavaScript to develop 3 different creative UI designs

Instagram Unfollower, Programmer

Jan 2023

- Developed user-friendly Python script to automate unfollowing Instagram accounts that don't follow you back
- Utilized Selenium, XPATH, and JavaScript to web scrape and perform browser actions
- Utilized shelve module to save user preferences

Bloons Tower Defense, Java Developer

May 2021 - Jun 2021

- Led development of a video game modeled on Bloons Tower Defense
- Utilized Processing (a Java-based program) to create complex code with a visually appealing output
- Oversaw front-end components in addition to developing back-end
- Applied Git and UML diagrams to coordinate with team

SKILLS

Coding languages: Python, Java, SQL, HTML, CSS, JavaScript, NodeJS, ExpressJS, Processing, UML, C

Verbal languages: English, Spanish, Cantonese

Software & OS: Git, Windows, Linux, Roblox Studio, Paint.NET, Blender, Cinema 4D, Adobe Lightroom

Interests: Art, video games, music, graphic design, UX design, software development, fashion, photography