Daniel Sun

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EDUCATION

NYU College of Arts and Science New York, NY
Dual Major Bachelor of Arts in Computer Science and Economics May 2025
- GPA: 3.89; Presidential Honor Scholar; Lewis Rudin City Scholarship; Erich Maria Remarque Scholarship
- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Machine Learning, Discrete Math, Calculus 3, Linear Algebra, Macro/Micro-Economics, Econometrics

Townsend Harris High School / Queens College (Dual Enrollment) New York, NY
High School Diploma (GPA: 99.86, SAT: 1580) June 2021

PROJECTS

Instrument Classification - Machine Learning Model
Project December 2023
- Implemented a self-designed convolutional neural network model in PyTorch to classify instruments.
- Preprocessed data by extracting MFCC's from audio samples of 11 different musical instruments in a dataset containing 10K audio clips.

HackNYU Hackathon
Developer February 2023
- Designed an educational platform to learn cryptography utilizing database of 500k quotes.
- Implemented the website and encrypting algorithms using JavaScript, HTML and CSS.

Maze Minigame
Developer April 2022
- Devised a one-player coin-collecting minigame by utilizing Java PApplet, Processing, and class polymorphism to create a randomized maze, player-model and coins.

EXPERIENCE

New York University Abu Dhabi Abu Dhabi, UAE
Undergraduate Research Assistant August 2023 – December 2023
- Surveyed and summarized literature on projects related to the Center for Behavioral Institutional Design.
- Assisted postdoctoral researchers in creating surveys using Qualtrics, JavaScript/jQuery.
- Contributed to qualitative research by designing surveys for global dispersion.

New York Edge Queens, NY
STEM Specialist June 2023 – August 2023
- Developed and led STEM curriculum for 100+ students, encompassing subjects such as Mathematics, Science, and Computer Technology.
- Customized teaching approaches and materials to cater to the diverse needs and interests of students.
- Clearly defined goals for each lesson, unit, and project, and effectively communicated to students.

Chen Ran Law Group Queens, NY
Legal Intern June 2022 – August 2022
- Conducted legal research on criminal legislation and drafted sentencing statements.
- Revised personal statements from 10+ immigration cases.
- Handled incoming calls from potential clients.

SKILLS

Hard Skills: Python, JavaScript, HTML, CSS, Java, R, PyTorch, Express,
Soft Skills: Problem-solving, Adaptability, Teamwork, Communication, Time Management, Critical Thinking