

Joanna Nieh

2700 Broadway #11B | New York, NY 10025 | (347) 875-0159 | jan2181@barnard.edu

EDUCATION

Barnard College, Columbia University | New York, NY | BA Computer Science, Minor in Statistics Expected May 2024
Courses taken include: Introduction to Databases, Machine Learning, User Interface Design, Human-Centered Design and Innovation, Digital Game Design, Statistical Inference, Linear Regression Models, Statistical Computing and Introduction to Data Science

TECHNICAL SKILLS

Proficient in Python, Jupyter Notebook, NumPy, Matplotlib, Pandas, Seaborn, intermediate in Tableau, R, RStudio, tidyverse, Microsoft Power Apps, JavaScript, HTML, CSS, Figma, Balsamiq, basic knowledge of Scikit-Learn, Flask, SQL, Unity, Java, and C

PROFESSIONAL EXPERIENCE

- Barnard College Graphics, Imaging, and Light Measurement Lab** | New York, NY | *Research Assistant* 2024-present
- Develop AI tools for decoding information on eroded materials
 - Write a research paper detailing the applications and findings resulting from this work
- Black Knight** | Jacksonville, FL | *Computer Science/IT Intern* 2023
- Develop and deploy automated data collection and workflows for processes used by the data governance team
- Barnard College Peer to Peer Tutoring** | New York, NY | *Tutor* 2022-2023
- Lead a weekly tutoring session in Calculus I for Barnard students
- COVE Tutoring** | New York, NY | *Tutor and logistics administrator* 2022
- Lead a weekly one-on-one math tutoring session
 - Participate in weekly staff meetings, handle tutoring logistics including assigning tutors to students
- US High Performance Wheelchair Tennis Team** | Orlando, FL | *Member* 2017 - 2021
- Represent Team USA against other countries in tournaments around the world, including BNP Paribas World Team Cup; accomplishments include being World Champions in Juniors and being ranked #1 in the world for Girls

COURSE PROJECTS

- Web-based Game and Education Applications, Barnard College** | New York, NY 2023
- Design and develop a Whack-A-Mole Game and a flashcard app with cramming and spaced repetition features using HTML, CSS, JavaScript, and Flask based on Figma prototypes
- Data Science using a Dataset for Music Analysis, Barnard College** | New York, NY 2022
- Analyze the danceability and energy of different music genres using data from the Free Music Archive
 - Perform hypothesis testing and linear regression analysis on the data sets using Python to answer various questions
- Tour de France Database Application using PostgreSQL, Barnard College** | New York, NY 2022
- Create an application to query and quantify athlete performance across multiple stages and years of the race

SELECTED HONORS

- SPORTS 'N SPOKES Junior Athlete of the Year (one recipient nationally) 2019
- ITF Les Petits As | Tarbes, France | Girls Wheelchair Doubles Champion 2019
- ITF ranking: #1, Girls Wheelchair Tennis (first US junior ranked #1 in the world in wheelchair tennis) 2019
- USTA Eastern Service to / People with Disabilities Award 2018

SELECTED MEDIA APPEARANCES

- "Meet 17-year-old wheelchair tennis star Joanna Nieh," Today Show, Oct. 11, 2019.
- "Wheelchair tennis champ: 'My disability doesn't stop me from anything,'" NY Post, June 3, 2019.
- "17-Year-Old Wheelchair Tennis Player Aces Her Competition," NY1, May 9, 2019.
- "For Young Disabled Athletes, a Chance to Glide, and Compete, on the Ice," NY Times, Dec. 18, 2012.