

Melody Nguyen

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EDUCATION

Business Analytics, Management

New York, NY

Bachelor of Business Administration, Pace University

May 2026

- *Minors:* Computer Science and Digital Marketing, *with Honors* - GPA: 3.73
- Courses: Economics, computer organization, object-oriented programming, marketing research, business analytics

EXPERIENCE

Data Analyst

June 2024 – August 2024

SLAC National Accelerator Laboratory, Department of Energy

Stanford, CA

- Analyzing impact of extreme weather on PV systems via marimo.io data visualization using Python programming
- Testing electrical grid deployments using SLAC-developed software to improve environmental resilience and safety
- Assembled website for the Sustainability Research Strategic Initiative to foster collaboration and provide resources

Ambassador

September 2024 – Present

Marimo.io, Reactive Python Notebook

Remote

- Created a Stanford site to share marimo's AI, data visualization, app-building tools for students and researchers
- Authored blog on marimo's open-source, reactive tools enhancing intuitive code and data analysis in academia

Website Developer

March 2023 – June 2024

SLAC National Accelerator Laboratory, Department of Energy

Stanford, CA

- Launched software simulation tool via Jekyll to improve deployment of electricity distribution power systems
- Developed GRIP platform using HTML/CSS to provide data resources and use-case tutorials for utility developers
- Designing SLAC-Stanford Battery Center website via Drupal to improve user interface and energy implementation
- Crafted TESS user manual to promote sustainable tech adoption, cost savings via reduced electrical consumption

President

May 2023 – Present

Institute for Operations Research and Management Science

New York, NY

- Teaching college students Python, R, SQL, Tableau, and Excel with interactive workshops, facilitated by E-board
- Host of tech talks with industries like Amazon and Microsoft to help build professional networks and relationships

Campus Director, Technologist

July 2023 – April 2024

United Nations Academic Impact

New York, NY

- Millennium Fellow of 44,000+ applicants, led Civic Leadership Program for 15 student founders with SDG projects
- Served as a youth delegate and speaker at ECOSOC, UN Youth Forum, and SDG Action Weekend
- Introduced Nobel Peace Prize laureate Malala Yousafzai for graduation class of 2023 to promote girls' education

PROJECTS

Arras Energy Website | *HTML, CSS, Markdown, Jekyll, Google Analytics*

June – Aug. 2023

- Commercial release of Linux Foundation's simulation software for smart-grid and renewable energy technology
- Connecting key stakeholders such as power system researchers, planners, operators, policy-makers and regulators
- Presented final product to sustainability researchers and engineers at SLAC National Laboratory's GISMo team

Wall Street Journal Case Study | *MySQL, Tableau, Microsoft Excel, Canva*

Sept. – Dec. 2022

- Cultivated marketing strategies through consumer research and SWOT analysis to increase retention rates
- Enhanced customer trust and renewals through platform updates and promotions; awarded AMA honors

Educational Equity Initiative | *Founder and President*

Jan. 2021 – Present

- Mentored 20 students to create an open-source platform for young women to learn coding and web development
- Led donation drives, raising \$500 for the Malala Fund and donating clothing to migrant families in NYC

Content Creation & Video Editing | *YouTube, Davinci Resolve, Canva*

Jan. 2021 – Present

- Managing YouTube channel, focused on sharing healthy food recipes, personal development, and productivity tips
- Built an engaged community (275+), honing skills in cinematography, graphic design, animation, and color grading

SKILLS

Technical: Python, Java, C, Microsoft Excel, MySQL, HTML/CSS, R Programming, Tableau, Git, Davinci Resolve

Certifications: United Nations Millennium Fellowship, Lubin Business Analytics, Python Institute Programming

Awards: Pforzheimer Honors College, Dean's List First Honors, Principle's Leadership Award