

Melody Nguyen

New York, NY | 669-240-9976 | melody.nguyen@pace.edu | [linkedin.com/in/melodyxnguyen](https://www.linkedin.com/in/melodyxnguyen)

EDUCATION

Pace University

New York, NY

B.A. Computer Science, Minor in Business, with Honors — GPA: 3.73

May 2026

- Courses: Business analytics, computer organization, marketing research, object-oriented programming, calculus

EXPERIENCE

Data Analytics Intern

June 2024 – Present

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

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
- Hosted tech talks with industries like Amazon and Microsoft to help build professional networks and relationships
- Awarded Pace University "Organization of the Year" for tripled attendance, events, and platform growth (+400)

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
- Promoted customer trust and membership renewal through revamped platforms and targeted promotions
- Research paper implemented by WSJ and earned honorable mention from the American Marketing Association

Educational Equity | *Founder and President*

Jan. 2021 – Present

- Educational initiative to develop an open-source learning platform for young women in Vietnam
- Led educational campaigns, donation drives, and mentored 20 high school students in website building
- Raised \$500 in donations towards Malala Fund, 30 lbs of clothing and hygiene products to migrant students

SKILLS

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

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

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