

Melody Nguyen

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EDUCATION

Pace University, Seidenberg School of Computer Science

New York, NY

Bachelor of Arts in Computer Science, Minor: Business | Dean's List, Honors College | GPA: 3.77

May 2026

- Courses: Data Science with Python and R, Data Structures and Algorithms, Object-Oriented Programming, Computer Organization, SQL for Business, Mathematical Structures, Calculus, Economics, Marketing Research

TECHNICAL SKILLS

Programming: Python: NumPy, Pandas, Matplotlib, Seaborn, Java, C, R, HTML/CSS

Tools: Microsoft Excel, MySQL, Git, Tableau, Figma, Drupal, Adobe Creative Suite, DaVinci Resolve

Certifications: United Nations Millennium Fellowship, Python Institute Programming

EXPERIENCE

Ambassador

September 2024 – Present

marimo.io - Reactive Python Notebook

New York, NY

- Blending interactive computing with reproducibility and re-usability of traditional software
- Designed a Stanford-hosted site to showcase tools in AI, data visualization, and app-building
- Authorized and published a scientific blog to share platform applications for students and developers

Data Analyst, Research Intern

June 2024– August 2024

SLAC National Accelerator Laboratory, Department of Energy

Stanford, CA

- Conducted climate research on extreme weather across 60+ photovoltaic systems
- Visualized renewable energy trends and forecasts using statistics, calculus, and interactive Python graphs
- Optimized and debugged electrical grid testing methodologies through Linux code documentation

Website Developer, Marketing Intern

March 2023 – June 2024

SLAC National Accelerator Laboratory, Department of Energy

Stanford, CA

- Developed 5+ scientific platforms in clean energy research using HTML/CSS
- Designed a resource website for the Sustainability Research Strategic Initiative to support R&D funding
- Managed code of simulation software via GitHub to improve user interface and test deployments

PROJECTS

Arras Energy Website | *HTML, CSS, Markdown, JavaScript, GitHub, Google Analytics*

- Developed and launched a website for renewable energy simulation software, supporting 30+ utility developers
- Presented the platform to 15 stakeholders, providing training in power systems, operations, and policy-making

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

- Conducted SWOT analysis and consumer research for a 3-year marketing strategy to increase retention rates
- Increased 23% customer membership renewal through revamped platforms and alumni targeted promotions

LEADERSHIP

Founder and President

Educational Equity Initiative

- Mentored 20 high-schoolers to create an open-source platform for young women to learn code
- Coordinator of donation drives for migrant families in NYC and raised \$500 for the Malala Fund

President

Institute for Operations Research and Management Science

- Taught over 200 college students Python, R, SQL, Tableau, Excel with interactive workshops and competitions
- Awarded Pace University "Organization of the Year" for tripled attendance, events, and +700 platform growth

Campus Director and Technologist

United Nations Academic Impact

- Led Civic Leadership Program for 15 sustainable development projects, 6x youth delegate at UN Head Quarters
- Introduced Malala Yousafzai for 2023 graduation, inspiring over 3,000 attendees in support of girls' education