

# Melody Nguyen

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## EDUCATION

### Pace University, Seidenberg School of Computer Science

New York, NY

*Bachelor of Arts (BA) 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, Economics, Marketing Research

## TECHNICAL SKILLS

**Programming:** Python (Scikit-learn), Java, Design (HTML, CSS, JavaScript: React), C, R, Databases (SQL, Excel)

**Certifications:** United Nations Millennium Fellowship, Python Institute Programming

## PROFESSIONAL EXPERIENCE

### Product Ambassador

September 2024 – Present

*marimo.io*

*New York, NY*

- Developed a Stanford site for marimo that enables computing with reactive and reproducible Python notebooks
- Published scientific blogs to showcase app-building tools, interactive data, and SLAC research for students

### Data Science Intern

June 2024– August 2024

*SLAC National Accelerator Laboratory, Department of Energy*

*Stanford, CA*

- Analyzed 60+ PV datasets to enhance intelligent planning algorithms for renewable grid optimization
- Visualized renewable energy trends to study heatwaves and temperature rises using NumPy, Pandas, Matplotlib

### Website Developer, Marketing Intern

March 2023 – June 2024

*SLAC National Accelerator Laboratory, Department of Energy*

*Stanford, CA*

- Revamped 5+ training sites for researchers and developers using HTML, CSS, JavaScript, Markdown
- Created marketing resources for the Sustainability Research Initiative to support R&D funds and operations
- Managed Arras Energy simulation software to improve code and test deployments of power systems
- Crafted a user manual to promote sustainable tech adoption, and cost savings via reduced electrical consumption

## PROJECTS

### Health Connect | *React Native, Node.js, Firebase, Figma*

February 2025 - Present

- Built a full-stack web and mobile app for real-time medical resources with user authentication and doctor booking
- Designed an intuitive user interface with Figma, enhancing accessibility and user experience
- Integrated Firebase for seamless data management and scalable architecture

### Wall Street Journal Case Study | *MySQL, Microsoft Excel*

September 2022 - April 2023

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

## LEADERSHIP

### Educational Equity Initiative

January 2021 - Present

*Founder and President*

- Mentored 20 high schoolers in STEM careers, organizing female leadership panels on social activism
- Coordinator of donation drives for migrant families and students in NYC and raised \$300 for the Malala Fund

### Institute for Operations Research and Management Science

January 2023 - Present

*President at Pace University*

- Taught over 200 college students Python, R, SQL, Tableau, Excel with interactive workshops and competitions
- Awarded “Organization of the Year” for tripling attendance, events, and growing media presence to 700+ followers

### United Nations Academic Impact

July 2023 - May 2024

*Campus Director and Millennium Fellow*

- 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 MCN fellows in support of girls' education