

# Melody Nguyen

[melodyxnguyen@gmail.com](mailto:melodyxnguyen@gmail.com) | (669) 240-9976 | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

## 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, Calculus, Economics, Marketing Research

## TECHNICAL SKILLS

**Programming:** Python, Java, Web Design (HTML, CSS, JavaScript: React), C, R, SQL

**Tools:** Microsoft Office (Word, Excel), Tableau, Figma, Git, Drupal, Adobe Creative Suite, DaVinci Resolve

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

## PROFESSIONAL EXPERIENCE

### Product Ambassador

September 2024 – Present

*marimo.io - Reactive Python Notebook*

*New York, NY*

- Computing with reactive and reproducible Python notebook
- Designed a Stanford-hosted site to showcase tools in AI, interactive data visualization, and app-building
- Published a scientific blog to share platform applications for students and developers

### Data Science Intern

June 2024– August 2024

*SLAC National Accelerator Laboratory, Department of Energy*

*Stanford, CA*

- Analyzed 60+ PV data sets to conduct climate research on extreme weather
- Visualized 10 renewable energy trends and forecasts using statistics and calculus
- Optimized and debugged testing methodologies through Linux code documentation

### Website Developer, Marketing Intern

March 2023 – June 2024

*SLAC National Accelerator Laboratory, Department of Energy*

*Stanford, CA*

- Revamped 5+ web interfaces for utility developers using HTML, CSS, JavaScript, Markdown
- Created marketing resources for the Sustainability Research Initiative to support policy-making and R&D
- Managed simulation software to improve code and test deployments of power systems via GitHub

## ACADEMIC PROJECTS

### Medical App | *React Native, Node.js, Firebase*

- Built a full-stack web and mobile app for real-time medical resources with user authentication and doctor booking
- Implemented an AI chatbot using OpenAI's GPT API to support 24/7 health care inquiries

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

- 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

### Educational Equity Initiative

*Founder and President*

- 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

### Institute for Operations Research and Management Science

*President at Pace University*

- 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

### United Nations Academic Impact

*Campus Director and Technologist*

- 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