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, Web Design (HTML, CSS, JavaScript: React), C, R, Databases (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   *New York, NY*
- Computing with reactive and reproducible Python notebooks
- Designed a Stanford University 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