Melody Nguyen

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EDUCATION

B.A. Computer Science   New York, NY
Minor in Business, Pace University Dean's List, with Honors - GPA: 3.73   *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

EXPERIENCE

Ambassador   September 2024 – Present
marimo.io - Reactive Python Notebook   *Remote*
- Designed a Stanford site and authorized scientific blogs to showcase tools in AI, data visualization, app-building

Data Analyst, Research Intern   June – August 2024
SLAC National Accelerator Laboratory, Department of Energy   *Stanford, CA*
- Conducted climate research on extreme weather across 60+ photovoltaic systems using Python, statistics, calculus
- Visualized renewable energy trends and forecasts via interactive marimo graphs, NumPy, Matplotlib, and Seaborn
- Optimized and debugged testing methodologies for electrical grid deployments through Linux code documentation
- Designed a resource website for the Sustainability Research Strategic Initiative to support R&D collaborations

Website Developer, Marketing Intern   March 2023 – June 2024
SLAC National Accelerator Laboratory, Department of Energy   *Stanford, CA*
- Managed code for a software simulation's website to support deployment of electricity distribution power systems
- Developed 5+ scientific platforms using HTML/CSS to provide data and use-case tutorials for research developers
- Revamped user interface and functionality for SLAC-Stanford Battery Center website, increasing user satisfaction

LEADERSHIP

Founder and President   January 2021 – December 2023
Educational Equity Initiative   *San Jose, CA*
- Mentored 20 high-schoolers to create an open-source platform for young women to learn code and web development
- Coordinator of donation drives, raising $500 for the Malala Fund and donating clothing to migrant families in NYC

President   May 2023 – Present
Institute for Operations Research and Management Science   *New York, NY*
- 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   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 5X youth delegate and sustainability speaker at ECOSOC, UN Youth Forum, SDG Action Weekend
- Introduced Malala Yousafzai for 2023 graduation, inspiring over 3,000 attendees in support of girls' education

PROJECTS

Arras Energy Website | *HTML, CSS, Markdown, JavaScript, GitHub, Google Analytics*   June – August 2023
- Released Linux Foundation simulation software, advancing renewable energy research for 30+ utility developers
- Connecting key stakeholders to 10+ trainings for power system research, operations, policy-making, regulations
- Presented final product to sustainability 15 researchers and engineers at SLAC National Laboratory's GISMo team

Wall Street Journal Case Study | *MySQL, Tableau, Microsoft Excel, Canva*   September – December 2022
- Cultivated a 3-year marketing strategy through consumer research and SWOT analysis to increase retention rates
- Increased 23% customer membership renewal through revamped platforms, deals and alumni targeted promotions

SKILLS

Programming: Python, Java, C, R, HTML, CSS, Markdown, Git; Libraries: NumPy, Pandas, Matplotlib, Seaborn
Technical Tools: MySQL, Tableau, Microsoft Excel, Drupal, Figma, Adobe Creative Suite, DaVinci Resolve (Film)
Certifications: United Nations Millennium Fellowship, Pforzheimer Honors College, Python Institute Programming
Languages: English, American Sign Language, Vietnamese, Spanish