

Melody Nguyen

✉ melodyxnguyen@gmail.com ☎ +16692409976 in LinkedIn 📄 GitHub 📁 Portfolio 📺 YouTube

🔊 Medium

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| Previous role | Engineering Intern at Stanford Synchrotron Radiation Lightsource |
| Experience | Artificial Intelligence, Data storage, Energy, Design, Data Analysis, Science, Product |
| Technologies | Python, Figma, Canva, Drupal, Adobe Creative Suite, CSS, HTML, Lightroom, Git |

In 3-5 years I want to be...
A product manager leading a team combining design and technology to create impactful solutions, mentor diverse talent inspired by my work at SLAC, and my passion for empowering women in STEM.

Work experience

Engineering Intern, Stanford Synchrotron Radiation Lightsource 🏢 Jun 2025 - Aug 2025 (2m)

Intense x-rays used to study our world at the atomic level.
Artificial Intelligence · Data storage · Energy · Design · Data Analysis · Science

Python

- Developed Python tools for automating and optimizing X-ray experiments in materials research
- Improved real-time scanning logic and data workflows with beamline scientists
- Supported in loading and testing TiO₂ samples

Ambassador, marimo.io - Reactive Python Notebook 🌐 Sep 2024 - Dec 2024 (3m)

Open-source reactive Python notebook
Artificial Intelligence · Product

Figma

Canva

Drupal

- Created and built a website hosted by Stanford to present Marimo, a reactive Python notebook.
- Managed content selection for scientific blogs demonstrating Marimo's utility in AI, data visualization, and app creation.
- Coordinated with key partners to captivate the desired demographic and emphasize advancements in computational resources.

Data Analyst, Research Intern, SLAC National Accelerator Laboratory, Department of Energy 🏢 Jun 2024 - Aug 2024 (2m)

U.S. Department of Energy (DOE) Office of Science laboratory
Energy · Science

Python

Drupal

- Researched extreme weather impact on over 60 photovoltaic systems using Python, statistics, and calculus
- Created interactive Marimo graphs to visualize renewable energy trends and forecasts with NumPy, Matplotlib, and Seaborn

- Enhanced testing methodologies for electrical grid deployments by optimizing Linux code documentation
- Developed a resource website to facilitate R&D collaborations for the Sustainability Research Strategic Initiative

Website Developer, Marketing Intern,
SLAC National Accelerator Laboratory, Department of Energy 

Mar 2023 – Jun 2024 (1y 3m)

Adobe Creative Suite

CSS

HTML

Figma

Lightroom

Canva

Git

- Managed code for a software simulation website to facilitate electricity distribution power systems deployment
- Created 5+ scientific platforms with HTML/CSS for research developers, offering data and use-case tutorials
- Enhanced user interface and functionality of SLAC-Stanford Battery Center website, leading to improved user satisfaction

Education

Pace University

Sep 2022 – Present (3y)

Bachelors of Arts (3.81) Computer Science

- Pforzheimer Honors Student, Dean's List
- President of the Institute for Operations Research and Management Science (INFORMS)
- Google Developers Group, Marketing Lead
- United Nations Millennium Fellow
- American Marketing Association, Diversity Director
- Economic Society, Treasurer and President

Snippets

A Millennium Fellow's Journey from Local Initiatives to the United Nations

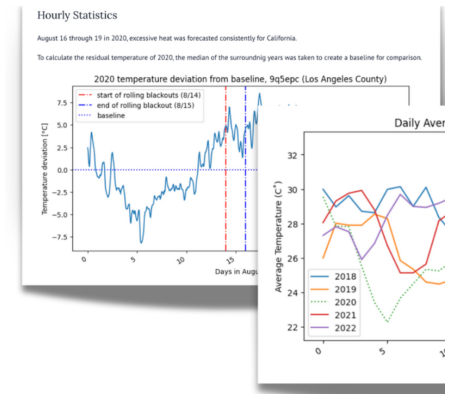
📧 www.millenniumfellows.org

As a Millennium Fellow, I expanded access to education for young women in Vietnam and represented my work at the United Nations, where I introduced Malala Yousafzai. I’m passionate about empowering others through sustainable development and open-source education.



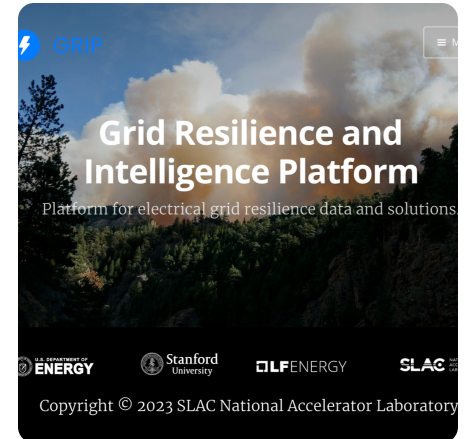
Research Blog for Stanford University @ marimo.sites.stanford.edu

As a SLAC research intern, I met two inspiring start-up founders and spent the summer using their Python notebook for data visualization and analysis. I was later offered the opportunity to expand my expertise in web development and product design to help showcase their innovative product to a broader audience.



Website Design and Development @ www.grip.energy

My journey into coding truly began when I built my first website from scratch using HTML and CSS. It was a simple project, but seeing my ideas come to life on a functional, interactive platform ignited my passion for web development. That first experience taught me the art of blending structure with creativity, and it inspired me to keep learning and designing tools that make an impact.



More about me

Outside of work I...

I'm an outdoor junky. One day, I hope to compete as a Muay Thai fighter and run the 2025 NYC Marathon. Training keeps me grounded and motivates me to grow—just a little more, every day.

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Languages

English, Spanish, Vietnamese

I'm excited to work for a fast-growing company because...

I thrive in environments of growth, eager to learn and adapt quickly. I'm a competitive opportunist, passionate about connecting with the people who will be impacted by the projects I work on.

Interests

I love martial arts, running, fantasy novels, and cooking. On YouTube, I share academic vlogs and recipes, celebrating culture through food. Film and design are my creative outlets.