

Leonid (Lenny) Metlitsky

Brooklyn, NY

lennym.dev

EDUCATION

Cornell University, College of Agriculture and Life Sciences

Beginning August 2025

- B.S. in Environmental Engineering; B.S. in Information Science

Stuyvesant High School (SAT: 1580, GPA: 4.0)

September 2021-June 2025

- Stuyvesant Diploma; Highest Honors in Environmental Science; Honors in Computer Science

EXPERIENCE

Climate Change Researcher, NASA Climate Change Research Initiative

June 2024-Present

- Develop a machine learning model to monitor, predict, and study changing lake quality and harmful algal blooms from space using satellite raster data and local land use features
- Analyze and condense over 800,000 predicted points across over 4,000 New York State lakes and 20 years, with all results published on a high-throughput, scaleable, and interactive website.
- Write, submit, and edit multiple published papers in various scientific journals; Lecture and present posters at NASA HQ, AGU 2024, CUNY CREST, and Prototypes for Humanity 2025.

Full-Stack Developer, Keeper.ai

July 2023-December 2023

- Developed and styled 20+ reusable user interface components for the website frontend
- Optimized user experience for thousands of new users with more than a 35% success rate

ACTIVITIES AND PROJECTS

Website Editor, Stuyvesant Spectator (stuyspec.com)

December 2021-Present

- Develop and maintain the newspaper's website and IT infrastructure for more than thousands of daily viewers
- Create a content management system for more than 3,000 articles

Founder and President, Stuyvesant Linux Club (stuylinux.org)

September 2022-Present

- Teach to a community of hundreds of avid learners and hobbyists
- Produce dozens of tutorials and engaging blog posts for the community

Vice President, Web Development Head, ARISTA Honors Society

June 2023-Present

September 2023-Present

- Create and manage a website where thousands of students in need can request a tutor for a class
- Develop an event management system for hundreds of ARISTA members and event leaders

SKILLS

Data Science (Python, R, GIS, cuML, numpy, pandas, scipy, opencv, tensorflow, Google Earth Engine)

Website Development (HTML, CSS, javascript/node.js/typescript, express, nextjs, sveltekit)

HONORS AND AWARDS

- Wharton Global High School Investment Competition Finalist (Top 10 out of 1600 teams)
- Best Online Newspaper Website at Baruch College HS Journalism Program 2023

LANGUAGES: Russian (advanced); Spanish (intermediate)