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 Analyst, New York City College of Technology   *January 2025-Present*
- Develop machine learning models that can warn citizens of extreme heat two weeks in advance.
- Monitor and analyze temperature within critical New York City transportation infrastructure using advanced remote sensing, providing vital recommendations for capital projects.

Climate Change Researcher, NASA Climate Change Research Initiative   *June 2024-Sep. 2025*
- Developed 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
- Analyzed 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.
- Wrote, submitted, and edited multiple published papers in various scientific journals; Lecture and present posters at NASA HQ, AGU, AMS, CUNY CREST, and Prototypes for Humanity.

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- January 2025*
- Developed and maintained the newspaper's website for more than thousands of daily viewers.
- Created a content management system for more than 7,000 articles and 1,000 staff members.

Vice President, Web Development Head, ARISTA Honors Society   June 2023-June *2025*
- Created and managed a website where thousands of students in need can request a subject tutor
- Developed an event management system for hundreds of ARISTA members and event leaders

SKILLS

Data Science (Python, R, GIS, numpy, pandas, matplotlib opencv, tensorflow, Google Earth Engine)
Website Development and Databases (HTML, CSS, Javascript, Typescript, SQL, Java, MongoDB)

HONORS AND AWARDS
- Wharton Global High School Investment Competition Finalist (Top 10 out of 1600 teams)