

# Leonid (Lenny) Metlitsky

Brooklyn, NY

[lennym.dev](http://lennym.dev)

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## 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](http://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)
- Best Online Newspaper Website at Baruch College HS Journalism Program 2023

**LANGUAGES: Russian (native); Spanish (intermediate)**