

Lillian Miller

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Objective

Gain research experience in environmental science and chemistry as well as experience with climate policy communication and sustainability.

Education

- 2021-Present BA in Chemistry, BA Earth & Environmental Science, University of Pennsylvania
- ◆ Minor in Mathematics
 - ◆ Vagelos Molecular Life Sciences (MLS) Scholar
 - ◆ Sophomore, anticipated graduation : May 2025
 - ◆ GPA 3.98
- 2017-2021 High School Diploma, Perkiomen Valley High School, Collegeville PA

Experience

- 2023—Present Undergraduate Research / Independent Study
Ocean and Climate Dynamics Lab - Advisor: Dr. Irina Marinov
- 2022— Present Special Projects Policy Writer, Penn Climate Ventures
Writing short articles on various climate change and energy policy topics that are accessible to broad audiences with the goal of helping Penn students and community members become more informed about modern climate impacts and solutions.
- 2022-Present Environmental Educator, Perkiomen Watershed Conservancy
Assisted in field trip and summer camp programs, teaching students about macroinvertebrates and stream health. Designed and taught lesson on plastic pollution and its impacts as part of floating classroom programs at Green Lane Reservoir. Supported daily operations of pontoon boat , floating laboratory and classroom
- 2022 Math Tutor, Weingarten Center, University of Pennsylvania
Tutoring Math 1400 (Calculus 1—introductory calculus) and Math 1410 (Calculus 2—multivariable calculus).

Awards

- 2022 Dean's List, University of Pennsylvania
- 2021 Valedictorian, Perkiomen Valley High School
- 2020 Finalist, Delaware Valley Science Council Award
- 2020 Science Fairs: Bronze Medal/ finalist for ISEF, & 1st place Environmental, Delaware Valley Science Fairs (DVSF)1st place PJAS region 1B, PA State Winner Stockholm Junior Water Prize .
- 2020 AP Scholar with Distinction
- 2020 Kids Making a Difference Environmental Award, Perkiomen Watershed Conservancy
- 2019 Science Fair: 1st PJAS region 1B & state, 1st place Montgomery County , 2nd place DVSF, PA state winner Stockholm Junior Water Prize.
- 2018 Science Fairs: 1st PJAS region 1B & state, 1st place Montgomery County , DVSF.
- 2017 Perfect Score, AP U.S. Government Exam

Volunteer Work

- 2020-Present Perkiomen Watershed Conservancy
Maintenance and planting of various rain gardens
- 2018-19 Perkiomen Valley Library
Assisted with Science in the Summer Program, (sponsored by Glaxo), Wednesday science programs, and various other events

Hobbies

⇒ Swimming, Photography, Running, Baking

Languages

⇒ English (native proficiency) ; French (elementary proficiency)