

Skylar Walters

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Education

Madison High School, Salutatorian	2018-2022
Brown University: Sc.B. Computational Biology	2022-2026
<ul style="list-style-type: none">• Courses: Phage Hunters (A, BIOL 0190); Data Structures and Algorithms (A, CSCI 0200); Computer Science: an Integrated Introduction (A, CSCI 0170); Organic Chemistry (A, CHEM 0350); Equilibrium, Rate, and Structure (A, CHEM 0330); Linear Algebra (In Progress, MATH 0520)• Organizations: Brown Outing Club (Leader), Blind@Brown, Computational Biology Department Undergraduate Group, Brown Outdoor Leadership Training (BOLT)	

Research Experience

Bacterial Ecology and Computation Research Intern	Harding Township, NJ
Great Swamp National Wildlife Refuge	May-August 2023
<ul style="list-style-type: none">• Conducts field ecological surveys in Great Swamp National Wildlife Refuge centered around microbiology and bacterial diversity• Manages datasets from past 20+ years for watershed associations, models changes in bacterial and macroinvertebrate diversity	
Machine Learning and Kidney Disease Research	Madison, NJ
Mentor: Dr. Minjoon Kouh, Drew University	July 2021
<ul style="list-style-type: none">• Designed a python-based machine learning algorithm to predict when Chronic Kidney Disease (CKD) patients will need Renal Replacement Therapy (RRT) as part of a selective research program run by State of New Jersey• Paper published by Drew University	

Work Experience

Brown University Computer Science Department	Providence, RI
Undergraduate Teaching Assistant, CSCI 0170	Sept-Dec. 2023
<ul style="list-style-type: none">• Conducts office hours and runs labs and workshops to assist students in Computer Science: an Integrated Introduction (CSCI0170) in understanding functional programming concepts and debugging code• Designs and proofreads homework and assignments	
GoBeyondLabs	New York City, NY
Lead Editor and Science Writer	2020-Present
<ul style="list-style-type: none">• Scriptwriter for documentaries and podcasts focused on interactions between science and society• Writes and applies to grants and awards, contributed \$25,000+ in grant earnings and production deal with SiriusXM• Mentors team of 5 interns in scientific research, writing, editing, and ethical journalism	
Interesting Engineering	Remote
Science Writer	2021-2022
<ul style="list-style-type: none">• Published articles weekly focusing on computer science and biology topics, over 40k reads on popular pieces	

Awards and Honors

United States Presidential Scholar , U.S. Department of Education	May 2022
Coca Cola Scholarship Recipient , Coca Cola Scholars Foundation	May 2022
National Merit Scholar	May 2022
NJ Governor's School in the Sciences Alum	January 2021

Coding Languages

Java | Python | ReasonML | Racket