

CARLIE OSTROM

I'm an activist, analyst, researcher, & founder building in the neuroplasticity revolution.

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education

UNIVERSITY OF WISCONSIN, NYU 2022-2024

-Finished pre-medicine post-bacc: Madison, WI

General Chemistry I & II, New York, NY

Organic Chemistry I & II,

General Physics I & II,

Biochemistry, Animal Biology,

Human Anatomy & Physiology.

-3.80 GPA.

UNIVERSITY OF PENNSYLVANIA 2015-2019

-Graduated with a BSE in Finance from Phila., PA

the Wharton School of Business.

-Bell Tech & Entrepreneurship Society

-3.43 GPA.

HORIZONS SCHOOL OF TECH 2017

-Showcase finalist with fintech web app San Fran., CA

built on Node.js

BAY PORT HIGH SCHOOL 2011-2015

-33 ACT score. Green Bay, WI

-4.44 GPA.

skills and characteristics

LAB TECHNIQUES	INTERESTS
Mouse handling	Neuromodulation
Microtome brain cutting	Psychedelics
Immunohistochemistry	Accessibility
Image processing	Spices
Poster design & presentation	
LANGUAGE	SOFTWARE
Se habla Español	SQL, React
	Figma
	Excel

experience

POSSIBILITIES, Founder	2025-
-Building a nature and community-based neuroplasticity center for people with brain injuries.	Today in NYC, Center TBD
VEMUGANTI NEUROSURGERY LAB, Research Assistant	2023-2024
-Handled mice, performed immunohistochemistry, processed images for studies of traumatic brain injury (TBI) and neurodegeneration, presented poster at UW-SMPH Neurosurgery Conference.	Madison, WI
PIANO SOFTWARE, Associate Product Manager	2020-2021
-Owned analytics & data visualization products across SaaS platform, working cross-functionally with data scientists, software engineers, designers, and users.	New York, NY
publications	
Davis CK, Jeong S, Subramanian S, Choi J, <u>Ostrom CM</u> , Park S, Vemuganti R. Time of the Day of Traumatic Brain Injury has Minimal Effects on Behavioral and Histological Outcomes in Mice of Both Sexes. Neuromolecular Med. (2025)	
Davis CK, Bathula S, Jeong S, Arruri V, Choi J, Subramanian S, <u>Ostrom CM</u> , Vemuganti R. An antioxidant and anti-ER stress combination therapy elevates phosphorylation of α -Syn at serine 129 and alleviates post-TBI PD-like pathology in a sex-specific manner in mice. Exp Neurol. (2024)	
engagements & volunteering	
SPEAKER	2021-2026
-Reframing Hope in Medicine at Columbia Vagelos College of Physicians and Surgeons	New York, NY
-Reframing Hope in Medicine at NY State OT Ass'n	New York, NY
-Existential Despair course at University of Pennsylvania	Phila., PA
-Trauma Symposium at Penn Medicine	Phila., PA
LOVEYOURBRAIN FOUNDATION, Fund raiser	2025
-Hosted four in-person brain health events; between 59 attendees and 50 donors, we raised \$6150 to send two participants to LoveYourBrain retreats while learning about and practicing brain health fundamentals.	New York, NY
CONCUSSION LEGACY FOUNDATION, Peer mentor	2024-2026
-Provided support to community members with traumatic brain injury, post-concussive symptoms, and suspected chronic traumatic encephalopathy.	Remote
PARKYTHON, Patient Advocate	2022-
-Hosted events for the neurology patient, caregiver, and clinician community on therapeutic neurotechnologies.	Remote