

CARLIE OSTROM

I'm an analyst, researcher, advocate, & survivor.

I'm building in the neuroplasticity revolution.

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education

UNIVERSITY OF WISCONSIN, NYU 2022-2024

-Finished pre-health 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

-Presented as showcase finalist with San Fran., CA
Merch Visualizer fintech web app built
on Node.js

BAY PORT HIGH SCHOOL 2011-2015

-33 ACT score. Green Bay, WI

-4.44 GPA.

skills and characteristics

LAB TECHNIQUES

Mouse handling

Microtome brain cutting

Immunohistochemistry

Image processing

Poster design & presentation

INTERESTS

Neurology

Psychedelics

Accessibility

Product strategy

SOFTWARE

SQL

Excel

Figma

LANGUAGE

Spanish (no hay problema)

experience

VEMUGANTI NEUROSURGERY LAB, Research Assistant 2023-2024

-Handled mice, performed immunohistochemistry, Madison, WI

processed images for studies of traumatic brain injury

(TBI), presented poster at UW-SMPH Neurosurgery Con.

PIANO SOFTWARE, Associate Product Manager 2020-2021

-Owned analytics & data visualization products across New York, NY

SaaS platform, working cross-functionally with data

scientists, software engineers, designers, and users.

publications

Davis CK, Jeong S, Subramanian S, Choi J, Ostrom CM, 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, Ostrom

CM, 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)

volunteering, engagements, & projects

LOVEYOURBRAIN FOUNDATION, Fundraiser 2025

-Hosted three in-person brain health events; between 51 New York, NY

attendees and 48 donors, we raised \$5500 and learned

about brain health fundamentals.

CONCUSSION LEGACY FOUNDATION, Peer mentor 2024-

-Provided support to community members with Remote

traumatic brain injury, post-concussive symptoms, and

suspected chronic traumatic encephalopathy.

PARKYTHON, Patient Advocate 2022-

-Hosted events for the neurology patient, caregiver, and Remote

clinician community on therapeutic technologies such

as: trigeminal nerve neuromodulation,

photobiomodulation, & deep brain stimulation.

GUEST SPEAKER 2020, 2021

-Trauma Symposium at Penn Medicine

Hosted by Danielle Sandsmark, MD PhD.

-Existential Despair course at University of Pennsylvania

Hosted by Justin McDaniel, PhD.

TUTOR 2020-2025

-After school Spanish w 4th graders New York, NY

-AXΣ Chemistry Fraternity: gen. and organic chemistry Madison, WI

-Minds Matter: high school essay and applications Phila., PA