

# CARLIE OSTROM

I'm an analyst, researcher, activist, & entrepreneur.

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

-Showcase finalist with Merch San Fran., CA

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, React

Figma

Excel

### LANGUAGE

Se habla Español

## experience

**STEALTH NEUROPLASTICITY CENTER, Founder** 2025-

-Building a nature- and community-based neuroplasticity New York, NY  
center for people with brain injuries.

**DEMUGANTI 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  $\alpha$ -Syn at serine 129 and alleviates post-TBI PD-like pathology in a sex-specific manner in mice. *Exp Neurol.* (2024)

## engagements & volunteering

**GUEST SPEAKER** 2020-2026

-Hope in Medicine at Columbia Center for Clinical New York, NY  
Medical Ethics Phila., PA

-Existential Despair course at University of Pennsylvania

-Trauma Symposium at Penn Medicine

**LOVEYOURBRAIN FOUNDATION, Fund raiser** 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.