

Elijah Frost

efrost7@jh.edu · elijahnfrost.com

Education

Johns Hopkins University

B.S. in Neuroscience (intended)

Expected May 2030

Baltimore, MD

Research Experience

Research Intern

Summer 2024 (10 weeks)

Gibbs Lab, Oregon Health & Science University · PI: Dr. Summer L. Gibbs

Portland, OR

- Cultured cells, performed bioconjugation, and immunostained samples for a lab developing fluorescent contrast agents for cancer imaging and image-guided surgery
- Assisted with the synthesis and spectroscopic characterization of fluorescent contrast agents
- Imaged labeled cells and samples by fluorescence microscopy and macroscopic fluorescence imaging, and analyzed the images

Research Intern

Summer 2023 (8 weeks)

Galbraith Lab, Oregon Health & Science University · PIs: Dr. Catherine G. Galbraith and Dr.

Portland, OR

James Galbraith

- Prepared fluorescently labeled samples and assisted with time-lapse and super-resolution microscopy in a lab studying cell migration and adhesion by single-molecule imaging
- Assisted with molecular biology and nanofabrication work in the lab
- Analyzed time-lapse and super-resolution image data

Experience

Youth Programs Manager

2022 – 2024

Montavilla Community Center, Portland Parks & Recreation

Portland, OR

- Managed a team of 15 seasonal staff across multiple program sites
- Oversaw daily programming and educational content for about 75 children in grades K through 8

Leadership & Service

Founder and Full-Stack Developer

Mar 2025 – 2026

Medical Gateway · State-registered nonprofit

Portland, OR

- Built and ran a web platform that connected 500+ aspiring medical students with physicians, residents, and nurses

Founder and Executive Director

Oct 2024 – 2026

Generous City · Registered nonprofit

Portland, OR

- Built the organization from 0 to 30+ active volunteers and directed 20+ community outreach campaigns
- Raised \$50K+ in donated supplies and delivered food, water, hygiene items, and naloxone to 1,000+ people

Co-Founder and Lead Instructor

Oct 2022 – 2026

Rose City Self Defense · City of Portland Safe Blocks Program

Portland, OR

- Trained trainers who reached 11,000+ community members citywide
- Coordinated with the Portland Office of Violence Prevention and community partners

Skills & Certifications

Laboratory: cell culture, bioconjugation, immunostaining, fluorescence microscopy, time-lapse and super-resolution microscopy, image analysis

Computing: Python, JavaScript, LaTeX

Familiar with: NumPy, pandas, Matplotlib, MATLAB, ImageJ, Git, Jupyter

Certifications: laboratory safety training (OHSU)