Samir Samadov

387 Ocean Parkway, Brooklyn, NY 11218 | (646) 961-1081

samirsamadov72@gmail.com

Education

Brown University
Master of Science in Biotechnology
Expected Graduation: 2027

The City University of New York, Brooklyn College
Bachelor of Science in Psychology, Minor in Neuroscience
Graduated: 2024 | GPA: 3.7

- NIH BP-ENDURE Honors Research Program Fellow

The City University of New York, Kingsborough Community College
Associate of Science in Biology
Graduated: 2022 | GPA: 2.9

Research Experience

Brown University, Leadership Alliance Summer Research Program
Research Assistant, Dr. Diane Lipscombe's Lab | June 2023 – June 2024

- Managed rodent models with optogenetic techniques for heat-sensing (Trpv1ChR2+/--) and mechano-sensing (Cacna1hChR2+/--) neurons.
- Analyzed rodent behaviors using the DeepEthogram machine learning algorithm.

SUNY Downstate Medical School, Dr. Mark Stewart's Lab
Undergraduate Researcher | September 2022 – May 2023

- Investigated facial nerve regeneration using a rat model to restore symmetrical facial movements post-injury.
- Applied DeepLabCut (DLC) algorithm for precise whisker movement analysis on both Windows and Linux platforms.

SUNY Downstate Medical School, Exploring Healthcare Careers Program
Research Participant | June 2022 – July 2022

- Conducted research on ADHD, evaluating the comparative effectiveness of non-stimulant vs. stimulant therapies.
- Explored global health equity, particularly in low-income populations.

CUNY Research Scholar Program, Dr. Dmitry Brogun's Lab
Researcher | Fall 2020 – Spring 2022

- Conducted bacterial annotation using the NCBI database, obtaining skills in reading and writing scientific papers.
- Collaborated with a team of undergraduates in weekly meetings and events.

CTF125 Metagenomics Discovery Challenge, Dr. Dmitry Brogun's Lab
Researcher | March 2020 – May 2020

- Analyzed COVID-19 datasets from the Chembl library.
- Organized data structure using cloud computing resources, specifically Jetstream.

Presentations

- **Leadership Alliance National Symposium**, Hartford, August 2023
- **Brown University Science Conference**, 2023
- **Society for Neuroscience (SfN)**, November 2023
- **CUNY Brooklyn College Science Day**, May 2024
- **SUNY Downstate Science Day**, April 2023
- **CUNY Research Scholar Program Summer Symposium,** May 2021 & May 2022

Awards & Honors

- **Alvin and Stanley Snadowsky Award**, CUNY Brooklyn College (for excellence in Psychology)
- **Watmanz Statistics Award**, CUNY Brooklyn College (for excellence in Statistics)
- **Dean's List**, Fall 2022 – Spring 2024
- **NIH BP-ENDURE Fellowship**, 2022 – 2024
- **Graduate Research Fellowship Program (GRFP)** (Applicant, Fall 2025 Cycle)
- **CUNY Research Scholar Program (CRSP)** Fellow, 2020 – 2022

Skills

- **Languages**: Native fluency in Tajik, Uzbek, and Russian; Intermediate proficiency in Spanish.
- **Technical Skills**: Advanced in RStudio, proficient in Python (data analysis, machine learning), and Microsoft Office Suite (Word, Excel, PowerPoint).
- **Certifications**: Certified Phlebotomy Technician (with honors).

Work Experience

World Spa, Brooklyn, NY
Guest Services Supervisor | September 2024 – Present

- Manage and lead a team of 8 staff, ensuring smooth operations and guest satisfaction.
- Participate in monthly management meetings and assist with staff training and performance reviews.
- Detect and address fraudulent activities by monitoring payment processes.

Guest Services Junior Lead | March 2024 – September 2024

- Managed event coordination, and daily reporting, and supported team members in resolving guest issues.

Guest Services Ambassador | March 2023 – March 2024

- Assisted guests with booking services, addressed billing concerns, and facilitated spa operations.

Extracurricular Activities

- **Phlebotomy Certification** | Licensed Phlebotomist, March 2022 – Present
- **Massachusetts Institute of Technology** | Intensive Python Programming Bootcamp, January 2023
- Utilized Python and machine learning for large-scale data analysis.