**Curriculum Vitae**

**Isaac Goldstein**

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**ACADEMIC HISTORY**

**B.S. Neuroscience and Applied Mathematics** Aug 2022 - Present

Brandeis University

Waltham, MA

**RESEARCH EXPERIENCE**

**Undergraduate Research Assistant** Apr 2022 – Present

Principal Investigator: Donald B. Katz

Daily Mentor: Thomas R. Gray

Brandeis University, Waltham, MA

* Designed and conducted an olfactory enrichment project as the introduction portion to my long-term goal of an honors thesis.
* Conducted an independent animal behavioral project studying effects of experience on olfactory associations.
* Set up a collaborative project with another undergraduate student to look at gustatory cortex’s involvement in taste-potentiated odor associations.
* Utilized python-based spike sorting data analysis to identify neural patterns of olfactory signaling.
* Prepared slideshow presentations to present the latest data analysis from my group’s research to mentors.
* Created a repository on github to demonstrate my experimental analysis for reproducibility.

**Awards, honors, and funding**

Dean’s List 2022

**POSTER PRESENTATIONS**

1. **Goldstein I,** Gray TR, Katz DB. [Brief Access Task Approach to Assess Combined Olfactory Preference Learning in Rats](http://tinyurl.com/Isaac-Goldstein-Sci-Fest). August 2023. *SciFest,* Waltham, MA
2. **Gray TR,** Goldstein I, Katz DB. Comparison of Retro- and Orthonasal Olfaction in Rat Cortical Networks. November 2022. *SFN Conference,* San Diego, CA

**TEACHING EXPERIENCE**

**Russian School of Mathematics** Nov 2021 - Present

Acton, MA

* Helping students with weekly homework problems as well as test preparation.
* Teaching by prompting students with applicable and critical questions prior to independent problem solving.

**Self-Employed Private Tutor** Sept 2018 - Present

Remote Work

* Guiding approximately half my students through SAT/ACT (mathematics sections) preparation.
* Working with students from local towns (mostly remotely) to help them advance ahead of school curricula.

**LEADERSHIP EXPERIENCE**

**Brandeis Football Club President** Dec 2021 – Present

* Leading the club in coach hiring, training preparation, scheduling, and financial allocation.
* Represent the team at e-board meetings, developing a clear future plan for the club.
* Work with the women’s side of the club to organize co-ed events.

**Counselor & Coordinator for RSM Camp @ Sunapee** Jun 2021 – Jul 2021

* Planned camp events for 150+ campers, coordinating with program directors and staff to ensure uninterrupted flow of camp logistics.
* Supervised up to 50 campers at a time, ages 10-15, and facilitated camper involvement in activities.

**RESEARCH SKILLS**

* Python data analysis & plotting
* Animal behavior analyses
* Animal handling
* Stereotaxic surgery
* Science communication
* Planning and executing experiments

**Science Community engagement**

HHMI Galaxy Program Undergraduate Research Panel Member April 2024