

Ryan Truong

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Research Interest

- I am interested in combining neuroscience and psychology to model decision-making, viewing neuroscience as low-level cognitive building blocks and psychology as high-level behavioral abstractions.
- My research interest spans low-level vision, affective computation, and decision-making processes, aiming to integrate these diverse aspects of cognition. I'm particularly interested in implementing probabilistic inference and programming to *glue* these perspectives together.
- I am interested in designing experimental tasks that elicit cognitive processes amenable to probabilistic modeling, creating comprehensive models that span from neural activity to observable behavior in visual perception, emotion, and decision-making in the process.

Education

University of Texas at Austin 2024
B.S. Psychology, Minor in Business

Research Experience

Gabrieli Lab, MIT McGovern Institute June 2024 - Present
Summer Research Intern - Remote Technical Assistant

- Created custom fMRI tasks for clinical trials + DDM models for binary choice tasks
- Modeled latent class trajectories of mental health outcomes in open-source datasets

PI: John Gabrieli **Supervisor:** Clark Roberts

Gershman Lab, Harvard University July 2024 - Present
Remote Research Assistant

- Developed an interactive online treasure-hunting interface for social-cognition project

PI: Sam Gershman **Supervisor:** Lance Ying

CasCogLab, UT Austin September 2023 - June 2024
Research Assistant

- Assist with experimental studies and transcriptions using OpenAI's whisper API
- Generate human annotations for LLM Empathetic Research project

PI: Desmond Ong **Supervisors:** Purna Zaman, Yoon Kyung Lee

Gorislabs, UT Austin January 2023 - June 2024
Research / Laboratory Technician

- Work with NHPs (Non-Human-Primates): enrichment, chairing, post-operation checkups
- Conduct psychophysical experiments and translate Matlab to Python
- Convert CASSANDRE matlab codebase into Python

PI: Robbe Goris **Supervisors:** Gabriela Coello-Reyes, Akash Raj

Work Experience

RVT Consultant, Dallas, TX

June 2019 - Present

Seasonal Independent FDA Regulatory Manufacturing Consultant

- Generate solutions for FDA 483 Observations and Warning Letters
- Create documentation (SOPs, Component specifications, MMRs, BPRs)
- Communicate directly with FDA investigators
- Developing custom Quality Assurance documentation

Bouldering Project, Austin, TX

August 2022 - April 2023

Operations Specialist

- Provide customer service and perform operational duties

Kostop (formerly Left Wing), Austin, TX

September 2021 - May 2022

Shift-Lead — Line Cook — Cashier

- Supervise employees and handle food preparation duties

Leadership

Longhorn Melee, Austin, TX

August 2021 - May 2022

President

- Organized weekly video game tournaments for 20+ participants
- Managed club funds and tournament winnings