Christopher "Tyler" Short

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Objective: To pursue a PhD in Neuroscience with a focus on social reward and motivation. I aim to delve into the intricacies of social motivation, harnessing neuroimaging and computational modeling techniques, to develop robust models with potential applications for clinical and subclinical populations. Driven by a passion for research and academia, I am keen on contributing to the field and envision a future role where I can combine research with mentoring, ultimately dedicating my efforts towards understanding and advancing motivational processes.

Education

2023 **M.S. | Applied Cognition & Neuroscience**
University of Texas at Dallas (Richardson, TX)
Cumulative GPA: 3.3

2021 **B.S. | Neuroscience**
University of Texas at Dallas (Richardson, TX)
Major GPA: 3.3 Cumulative GPA: 2.9

2017 **A.S. | Applied Science**
Dallas County Community College (Dallas, TX)
Cumulative GPA: 3.4

Research Experience

Jan 24– **Research Assistant**
Padilla-Coreano Lab, *University of Florida*
Dr. Nancy Padilla-Coreano

Nov 21–Dec 23 **Research Assistant / Project Lead (2 Studies)**
Filbey Lab, Center for Brain Health, *UT Dallas*
Dr. Francesca Filbey
1. Transcutaneous Auricular Vagus Nerve Stimulation - Executive Function
2. Primary Motivations Behind Cannabis Use - Intents and Perspectives

Aug 19–Jan 20 **Research Assistant**
PAIN Neurobiology Research Group, *UT Dallas*
Dr. Theodore Price, Dr. Greg Dussor
Transcriptomics of Dorsal Root Ganglia

Jul 18–Aug 19 **Research Assistant**
Texas Biomedical Device Center, *UT Dallas*
Dr. Crystal Engineer, Dr. Michael Kilgard, Dr. David Pruitt
Vagus Nerve Stimulation Assisted Stroke Recovery in Rats

Oct 18–Aug 19 **Grant Specialist Intern**
Ted's Brain Science, Inc.
Dr. Theodore Price, Dr. Greg Dussor
Formulation & Efficacy of Analgesic Resveratrol (Department of Defense)

Presentations

2023 Summer — **Invited Talk – taVNS & Executive Function**
D'Mello Lab, *UT Southwestern*

2018-2022 — **Outreach Presentations –**
Neuroscience Student Association, available at utdnsa.org

Teaching Experience

2022 Fall — **Teaching Assistant**
School of Behavioral and Brain Sciences, *UT Dallas*
Neurophysiology, NSC 4356, Dr. Rukhsana Sultana

2022 Summer — **Volunteer Teacher**
Science Mentorship Institute (Sci-MI), sci-mi.github.io
Lecture Topic: Journal Clubs, Reading Scientific Literature
Tutor: Cognitive, Clinical, Comp., & Molecular Neuro

Leadership & Outreach Experience

2021–2023 — **Auxiliary Officer** | Neuroscience Student Association, *UT Dallas*

2022 Summer — **Mentor** | Science Mentorship Institute (Sci-MI), sci-mi.github.io

2020-2021 — **President** | Neuroscience Student Association, *UT Dallas*

2019-2020 — **Vice-President** | Neuroscience Student Association, *UT Dallas*

Relevant Skills

Languages — Python | MATLAB | HTML

Software — PsychoPy | E-Prime | REDCap | NIH Toolbox | Linux | G Suite | Office 365

Methodology — EEG | Cognitive Assessment | Cell Culture | Post-Mortem Rodent Surgery

Relevant Coursework

M.S. Applied Cognition & Neuroscience

MATLAB for Brain Sci. | Research Methods in Psych. | Brain & Language | Comp. Modeling: Brain & Behavior | Correlates of Cogn. | Social Development | Neuroeconomics | Cognitive Psych| Func. Neuroanatomy | Systems Neuro

B.S. Neuroscience

Neuro Lab Methods | Stats for Psych | Neurobio. of Learning & Mem. | Cognitive Neuro | Neurobio. of Emotion | Psych Assess. | Integrative Neuro | Sensory Neuro | Neuroanatomy | Cellular Neuro | Molecular Neuro

A.S. Applied Science

Spreadsheet Skills | General Psychology | Problem Solv. & Dec. Making | Ethics