

# Christopher “Tyler” Short

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**Objective:** To pursue a PhD in Psychology/Neuroscience and investigate the neural and computational mechanisms of reward and motivation. I aim to delve into the intricacies of social motivation, harnessing neuroimaging and computational modeling, to develop robust models with potential applications for clinical and subclinical populations. Driven by a passion for research, fairness, & scientific integrity, I envision a future role where I can combine research with mentoring to improve the advancement of the fields of motivation & reward.

## Education

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2023	<b>M.S.   Applied Cognition &amp; Neuroscience</b> University of Texas at Dallas (Richardson, TX) Cumulative GPA: 3.3
2021	<b>B.S.   Neuroscience</b> University of Texas at Dallas (Richardson, TX) Major GPA: 3.3      Cumulative GPA: 2.9
2017	<b>A.S.   Applied Science</b> Dallas County Community College (Dallas, TX) Cumulative GPA: 3.4

## Research Experience

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Jan 2024–	<b>Research Assistant</b> <u>Padilla-Coreano Lab, University of Florida</u> Dr. Nancy Padilla-Coreano
Nov 2021–Dec 2023	<b>Research Assistant / Project Lead (2 Studies)</b> <u>Filbey Lab, Center for Brain Health, UT Dallas</u> Dr. Francesca Filbey 1. Transcutaneous Auricular Vagus Nerve Stimulation - Executive Function 2. Primary Motivations Behind Cannabis Use - Intents and Perspectives
Aug 2019–Jan 2020	<b>Research Assistant</b> <u>PAIN Neurobiology Research Group, UT Dallas</u> Dr. Theodore Price, Dr. Greg Dussor Transcriptomics of Dorsal Root Ganglia
Oct 2018–Aug 2019	<b>Grant Specialist Intern</b> <u>Ted’s Brain Science, Inc.</u> Dr. Theodore Price, Dr. Greg Dussor Formulation & Efficacy of Analgesic Resveratrol (Department of Defense Grant)
Jul 2018–Aug 2019	<b>Research Assistant</b> <u>Texas Biomedical Device Center, UT Dallas</u> Dr. Crystal Engineer, Dr. Michael Kilgard, Dr. David Pruitt Vagus Nerve Stimulation Assisted Stroke Recovery in Rats

## Presentations

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2023 Summer	<b>Invited Talk – taVNS &amp; Executive Function</b> <i>D’Mello Lab, UT Southwestern</i>
2018-2022	<b>Outreach Presentations</b> Neuroscience Student Association, available at <a href="http://utdnhsa.org">utdnhsa.org</a>

## Teaching Experience

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2022 Fall	<b>Teaching Assistant</b> School of Behavioral and Brain Sciences, <i>UT Dallas</i> <u>Neurophysiology</u> , NSC 4356, Dr. Rukhsana Sultana
2022 Summer	<b>Volunteer Teacher</b> <u>Science Mentorship Institute (Sci-MI)</u> , <a href="http://sci-mi.github.io">sci-mi.github.io</a> Lecture Topic: Journal Clubs, Reading Scientific Literature Tutor: Cognitive, Clinical, Comp., & Molecular Neuro

## Leadership & Outreach Experience

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2021–2023	<b>Auxiliary Officer</b>   Neuroscience Student Association, <i>UT Dallas</i>
2022 Summer	<b>Mentor</b>   Science Mentorship Institute (Sci-MI), <a href="http://sci-mi.github.io">sci-mi.github.io</a>
2020-2021	<b>President</b>   Neuroscience Student Association, <i>UT Dallas</i>
2019-2020	<b>Vice-President</b>   Neuroscience Student Association, <i>UT Dallas</i>

## Relevant Skills

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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

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### 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