



**SUMMER  
SPRINGBOARD**  
Look Inward. Go Upward.

# Psychology and Neuroscience Online

New student admissions for  
Summer 2023 are open.



## Track Highlights

- Uncover the mystery of how the mind works, and examine the connection between the brain and human behavior
- Develop solutions to the complex questions of human behavior through hands-on activities such as a brain dissection and real-world experiments
- Understand treatment strategies for a variety of mental health issues that affect millions of individuals
- Learn how to construct a novel psychological theory and design experiments to test it (Research Methods)
- Interact with clinical psychologists, neurologists and researchers who are experts in this specialized field.



## 2023 Dates

Session 1: June 19 - June 29  
6:00 - 9:00 AM PT / 9:00 - 12:00 PM ET



## Academic Program Overview

Nothing is more fascinating and mysterious to us than each other. How do people work? How do I work? Students will learn to tackle these fundamental questions with the tools of psychological science. Students will learn about classic experiments in psychology, with the goal of getting a hands-on, experiential understanding of how people work and how psychologists study them. They will explore social dynamics; emotions; personality; mental illness; the nature of beliefs; neuroscience; and the relationship between the mind, brain, and body. As a capstone project, they will construct their own miniature psychology theory, design/run an experiment to test it, and present findings to the class.



*Dr. Cortes did a great job of explaining difficult concepts to the class, and also provided engaging ways to learn.*

-former student from  
2022 program



*Dr. Cortes was an amazing instructor!*

-former student from  
2022 program

# Instructor

## **Rob Cortes, Ph.D.**

Dr. Rob Cortes obtained his PhD in Cognitive Neuroscience from Georgetown University, where he was a National Science Foundation and Patrick Healy fellow. He earned his B.A. in Psychology and Philosophy at Georgetown University and is broadly interested in understanding and enhancing human cognition. His research focuses on utilizing brain stimulation to enhance various cognitive abilities and reveal the core functional brain networks that support them. Rob is passionate about teaching and has taught with Summer Springboard for 3 years, and also taught his own seminar at Georgetown University on Neurocognitive Enhancement.

# Program Information

This program is open to any high school student who will be entering freshman, sophomore, junior or senior year in Fall 2023. Space is limited. Each session is limited to 35 students per track. Classes will be held via Zoom and facilitated in real-time by the instructor and a classroom coordinator.

# Payment Information

- Price: \$1,798
- Application fee: \$99 (mandatory, non-refundable)
- Emergency Medicine & Pre-Med course supplement: \$250 tuition (mandatory)

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Summer Springboard programs are not run by our campus partners. Universities and their affiliated departments are not responsible for the Summer Springboard program in any way.



## Real-World Class Project

Throughout this course, students will work in small groups to design their own psychological experiment based on the formal experimental design.



## Course Structure

- Week 1: Students will kick off their week with an introduction to blockchain, then move on to distributed databases and consensus. They will then learn about decentralization and the mechanics of blockchain, and finish the week learning about cryptography and hashing.
- Week 2: In their second week, students will learn more about keeping data safe, understanding limits, and then finish their learning with blockchain applications. Their second week will culminate with a final presentation.