# Brenden Eum

# PhD Candidate · Social & Decision Neuroscience

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Education	
California Institute of Technology PHD Social & Decision Neuroscience  • Advisor: Prof. Antonio Rangel	Pasadena, CA 2019 - present
Columbia University MA ECONOMICS  • Advisor: Prof. Brendan O'Flaherty	New York, New York 2016 - 2017
New York University BA Economics, Magna Cum Laude • Minor in Mathematics	New York, New York 2014 - 2016
Awards, Fellowships, & Grants	
<ul> <li>Chen Graduate Innovator Grant, T&amp;C Chen Center for Social &amp; Decision Neuroscience</li> <li>Brass Division Teaching Award, Humanities and Social Sciences, Caltech</li> <li>Chen Graduate Fellowship, T&amp;C Chen Center for Social &amp; Decision Neuroscience</li> <li>NYU Founder's Day Scholar Award, New York University</li> <li>Parliamentary Debate Gold Medalist, Pacific Southwest Collegiate Forensics Tourname</li> </ul>	\$ 10,000 \$ 1,500 ent
Publications	
In Review	
<b>Eum, B.</b> , Dolbier, S., & Rangel, A. (2022). Peripheral visual information halves attentional choice biase <i>Science</i> )	s. (R&R Psychological
Work in Progress	
${\it Manipulation\ of\ signal\ weights\ from\ the\ Bayesian\ efficient\ coding\ hypothesis\ (with\ Antonio\ Rangel\ \&\ Antonio\ Rangel\ Bayesian\ efficient\ coding\ hypothesis\ (with\ Antonio\ Rangel\ efficient\ coding\ hypothesis\ (with\ Antonio\ Rangel\ efficient\ coding\ hypothesis\ (with\ Antonio\ Rangel\ efficient\ coding\ hypothesis\ (with\ Antonio\ efficient\ coding\ hypothesis\ efficient\ coding\ hypothesis\ (with\ Antonio\ efficient\ coding\ hypothesis\ efficient\ coding\ hypothesis\ (with\ Antonio\ efficient\ coding\ hypothesis\ efficient\ coding\ hypothes$	Michael Woodford)
Value signals in the orbitofrontal cortex incorporate reference-dependent surprise utility (with Antonia	o Rangel)
Attentional biases in gains, attentional anomalies in losses (with Stephen Gonzalez & Antonio Rangel)	ı
Using belief elicitation in the lab to evaluate models of choice processing (with Antonio Rangel)	
Presentations	
Posters	
<b>Eum, B.</b> , Dolbier, S., & Rangel, A. "Peripheral visual information halves attentional choice biases" 202	22. Cognitive Compu-

**Eum, B.**, Dolbier, S., & Rangel, A. "Peripheral visual information halves attentional choice biases" 2022. The Neurobiology of Reward and Decision-Making, Lake Arrowhead, California.

Eum, B., Dolbier, S., & Rangel, A. "Peripheral visual information halves attentional choice biases" 2022. Chen Institute Re-

tational Neuroscience, San Francisco, California.

treat, Pasadena, California.

# Teaching Experience 2021-2022 Bayesian Statistics, Teaching Assistant for Prof. Antonio Rangel 2020-2021 Social & Decision Neuroscience Bootcamp, Instructor, Economics & Statistics 2020 Introduction to Economics, Teaching Assistant for Prof. Charles Plott Mentoring 2021 Trinity Pruitt, WAVE Fellowship Program, Co-Mentor with Prof. Antonio Rangel Professional Experience 2017-2019 Predoctoral Fellowship, The Economics Division, Columbia Business School 2016 Economic Research Assistant, Haver Analytics 2014-2015 White Collar Criminal Justice Legal Assistant, Varghese & Associates, PC 2013 Intern to Market Analyst, Harvey & Company LLC Professional Development SERVICE AND DEVELOPMENT

# 2020 **Chen Institute Seminar**, Question Curator for Prof. Colin Camerer and Prof. Dean Mobbs

TRAINING COURSES ATTENDED

2022 Summer School on the Cognitive Foundations of Economic Behavior

2020-2021 Social & Decision Neuroscience Bootcamp, Co-Organizer with Marcos Gallo

NYU Economics Review, Co-Founder and Managing Editor

## **MEMBERSHIPS**

2016

Society for Neuroeconomics, Society for Judgement and Decision Making, Phi Beta Kappa

2021-2022 Caltech Graduate Student Council, Department Representative

### CODING

R, Python (+PsychoPy), MATLAB (+PsychToolbox), Stata, LaTeX, MS-Office

### HOBBIES

rock climbing, snowboarding, cycling, hiking, backpacking, DJing