

Gabriel Reyes

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EDUCATION

2021 - Present	Stanford University <i>Ph.D. Candidate in Developmental and Psychological Sciences (ABD)</i> <u>Advisor:</u> Dr. Phil Fisher <u>Committee:</u> Dr. Benjamin Domingue, Dr. David Grusky
2019 - 2021	Columbia University <i>M.S. in Neuroscience & Education</i> <u>Advisor:</u> Dr. Karen Froud
2014 - 2018	Brown University <i>Sc.B. in Cognitive Neuroscience (Honors)</i> <u>Advisor:</u> Dr. Leslie Welch

AWARDS & HONORS

Stanford University

2025	Gates Millennium Graduate Fellowship	Awarded: \$43,661
2025	Pahara Education Fellowship	
2024	Quad STEM Fellowship (<i>1.6% acceptance rate</i>)	Awarded: \$40,000
2024	National TRIO Achiever Award	
2023	Ford Predoctoral Fellowship <i>Honorable Mention</i>	
2021 - 2024	Knight-Hennessy Scholarship (<i>.8% acceptance rate</i>)	Awarded: \$304,880
2021	Enhancing Diversity in Graduate Education (EDGE) Doctoral Fellowship	Awarded: \$16,800

Columbia University

2020	Teachers College Innovation Scholarship for Best Student Research Award	Awarded: \$1,000
2020	Education Pioneers Fellowship	Awarded: \$7,200
2020, 2021	Teachers College Minority Scholarship	Awarded: \$15,000
2020	Diverse Intelligences Summer Institute Fellowship (<i>Declined due to COVID</i>)	
2019	Teachers College Arthur Zankel Urban Fellowship	Awarded: \$10,000
2019, 2020	Gates Millennium Graduate Fellowship	Awarded: \$98,245
2019	Columbia University Bridge to the Ph.D. in STEM Predoctoral Scholars Program (<i>Declined</i>)	

Brown University

2018	Rhodes Scholarship Nominee	
2018	Alfred H. Joslin Award (<i>Awarded to 5-10 undergraduates for "outstanding contributions"</i>)	
2018	Elected to Sigma Xi: The Scientific Research Honor Society	
2017	Institute for the Recruitment of Teachers Fellowship (<i>Declined</i>)	
2016	Congressional Hispanic Caucus Institute (CHCI) STEM Scholarship	Awarded: \$5,000
2015 - 2018	Future Global Leaders Fellowship	
2015	Careers for the Common Good in New York City Grant Award	Awarded: \$4,000
2014 - 2018	Brown University Grant Scholarship	Awarded: \$272,272
2014 - 2026	Gates Millennium Scholarship (<i>1.9% acceptance rate</i>)	Awarded: \$42,445
2013 - 2018	QuestBridge Scholar	

RESEARCH FUNDING & EDUCATION GRANTS

Selected Grants to FLi Sci (Total Awarded to Date: \$1,145,375)

2026	Claniel Foundation - Emerging Leaders Fund	Awarded: \$343,000
2026	Catalyze Round 5 Challenge	Awarded: \$10,000
2025	EdLoC Boulder Fund	Awarded: \$100,000
2025	ECMC Foundation (Planning Grant)	Awarded: \$75,000
2025	UP Foundation	Awarded: \$20,000
2024	Trueventures.org	Awarded: \$75,000

2024	Community Foundations of Skillman, Albuquerque, Philadelphia, and Park City	Awarded: \$66,575
2024	Westly Prize for Young Innovators (<i>finalist</i>)	Awarded: \$5,000
2024	McCune Foundation Discretionary Fund	Awarded: \$5,000
2024	Roddenberry Fellowship	Awarded: \$50,000
2023	Racial Equity Grant NewSchools Venture Fund	Awarded: \$200,000
2023	Echoing Green Global Fellowship (<i>1% acceptance rate</i>)	Awarded: \$100,500
2023	Talent Grant Award Camelback Ventures	Awarded: \$10,000
2022	Camelback Ventures Fellowship	Awarded: \$40,000
2021	Kheystone Project Grant Knight-Hennessy Scholars	Awarded: \$1,000
2021	Pathways Fellowship 4.0 Schools	Awarded: \$3,000
2021	Accelerator Fellowship Edwin Gould Foundation	Awarded: \$7,500
2021	New Normals Fellowship 4.0 Schools	Awarded: \$5,000
2020	Essentials Fellowship 4.0 Schools	Awarded: \$500

Research Grants

2021 - 2022	Dean's Collaborative Learning Fund Stanford University Graduate School of Education <i>The Neuroscience Inclusion Committee on Equitable Research (NICER) Practices</i> Role: Co-Principal Investigator Amount Awarded: \$2,900
2021, 2022	Dean's Grant for Student Research (x2) Teachers College, Columbia University <i>Exploring the Neurodevelopmental Effects of Economic Scarcity on Learning and Memory</i> Role: Principal Investigator (Masters Thesis Advisor: Dr. Karen Froud) Amount Awarded: \$2,500
2017 - 2018	Research at Brown (RAB) Award Brown University <i>Picture this — or not? An objective exploration of Aphantasia</i> Role: Principal Investigator (Honors Advisor: Dr. Leslie Welch) Amount Awarded: \$2,500

SELECTED ACADEMIC PUBLICATIONS

Published or Forthcoming

1. Blakey, E., Hendry, A., Outhwaite, L. A., Braithwaite, E. K., **Reyes, G.**, Hernandez, I. A., Ellwood-Lowe, M. E., & DeJoseph, M. L. (2026). Improving how to measure child socioeconomic disadvantage: A more holistic and contextual approach. *Child Development Perspectives*. [\[Link\]](#)
2. **Reyes, G.** (2025). How Pokémon helped understand brain differences. *Nature Reviews Psychology*. [\[Link\]](#)
3. Ellwood-Lowe, M. E., **Reyes, G.**, DeJoseph, M. L., Frankenhuis, W. E. (2025). Caring for children in lower-SES contexts: recognizing parents' agency, adaptivity, and resourcefulness. *Dædalus*. [\[Link\]](#)
4. DeJoseph, M. L., Ellwood-Lowe, M. E., Miller-Cotto, D., Silverman, D. M., Shannon, K. A., **Reyes, G.**, Rakesh, D., Frankenhuis, W. E. (2024). The promise and pitfalls of a strengths-based approach to child poverty and neurocognitive development: Implications for policy. *Developmental Cognitive Neuroscience*. [\[Link\]](#)

Manuscripts in Preparation

1. DeJoseph, M.L., Blakey, E., Ellwood-Lowe, M.E., Silverman, D., **Reyes, G.**, Frankenhuis W.E., & Fisher, P. (submitted). Parent narratives reveal how families adapt amid economic hardship “even if the rest of the world is falling apart”
2. DeJoseph, M.L., Blakey, E., Laiduc, G., **Reyes, G.**, Ellwood-Lowe, M.E., Silverman, D.M., Frankenhuis W.E., & Fisher, P.A. (in prep). Capturing families adaptive strengths in poverty: A thematic and computational analysis. *Submitted for special issue call From Stress to Strengths*
3. **Reyes, G.**, Liu, S., Fisher, P. A., (in prep). Beyond income: Examining factors moderating material hardship levels among families with children.
4. **Reyes, G.**, Liu, S., Domingue, B. W., Fisher, P. A., (in prep). Early childhood economic volatility and its psychological toll: Behavioral and mental health outcomes across the lifespan.
5. Ricard, J. A., Antonacci, C., **Reyes, G.**, Giampetruzzi, E., Ramduny, J., Grimsrud, G., Ellwood-Lowe, M., & Poldrack, R. (in prep). Area-level context and functional brain organization across the lifespan.

RESEARCH PRESENTATIONS

Conference Posters & Invited Symposia

**Denotes equal contribution | ^Denotes alphabetical presentation*

6. **Reyes, G.**, Liu, S., Domingue, B. W., Fisher, P. A. (2025). Exploring the effects of early childhood economic volatility on youth and adult outcomes. *Future of Families and Child Wellbeing Study Summer Workshop*, virtual
7. DeJoseph, M. L., Ellwood-Lowe, M. E., **Reyes, G.**, Frankenhuis, W. E., & Fisher, P. (2025). “It puts a stamp on you”: Caregiver perceptions of deficit- and strength-based narratives about brain development in the context of poverty. *Flux Congress*, Dublin, Ireland.
8. **Reyes, G.**, Liu, S., Fisher, P. A. (2025). Beyond income: Examining factors moderating material hardship and wellbeing among low-income parents and children. *Society for Research in Child Development*, Minneapolis, MN.
9. Arney, M. Silverman, D., Bauer, C., **Reyes, G.** (2025). New Advances in Asset-based Interventions in Educational Settings. In Rozek, C & Miller-Coto (Chairs). *American Educational Research Association*, Denver, CO.
10. **Reyes, G.**, Liu, S., Fisher, P. A. (2023). Money matters: How scarcity and abundance impact parent and child outcomes. *Society for the Study of Human Development Conference*, Philadelphia, PA.
11. **Reyes, G.** (2021). Exploring economic scarcity and cognition in adolescence. *Teachers College Institute for Psychological Science and Practice Conference*, virtual
12. **Reyes, G.** & Froud, K. (2020). Scarcity and the brain: Does financial deprivation affect learning and memory in adolescents? *Teachers College Academic Festival*, virtual
[Winner of the Innovation Scholarship for Student Research Award]
13. Arogbokun, O. C., Leota, A., Meng, S., Mokou, G., Perez-Luco, N. A., **Reyes, G.**^, & Stekhoven, J. S. (2020). The Future-Ready Graduate. *International Consortium for Educational Development Conference*, Zurich, Switzerland.
[Canceled due to COVID-19]
14. **Reyes, G.***, Martinez, M.* , Wells, E.* , Wang, T.* , Sorets, T.* , Bergehella, A.* , Gonzalez, W.* , Dent, G., Linden, M. (2018). The Neuroscience of Racism: Examining the neural correlates of racial bias and discrimination. *Brown University Science Center*, Providence, RI.
15. **Reyes, G.***, Njoroge, C.* , Ashford, L.* , Sandstede, B. (2018). Intersectionality in the Brown Scientific Community: Exploring minority scientist’s antecedents to academic success. *Yale University Humans in STEM Conference*, New Haven, CT.
16. **Reyes, G.***, Njoroge, C.* , Ashford, L.* , Sandstede, B. (2017). Intersectionality in the Brown Scientific Community: Exploring minority scientist’s antecedents to academic success. *Race and Gender in the Scientific Community Symposium*, Providence, RI.

Workshops & Presentations in Science & Education

17. Arnett, H., Gonzalez, S., Mertz, A., **Reyes, G.**^, Sheats, J. (2022). Dismantling Barriers to STEM: Innovative & Culturally-Responsive Program Models for Student Preparedness & Success. Panel presented at the International Forum on Research Excellence Sigma Xi Conference, Alexandria, VA.
18. **Reyes, G.** (2022). Tech Tea Talk — From Upward Bound (UB) to Ph.D. Presentation delivered for Council for Opportunity in Education STEM Education Series. Virtual.
19. **Reyes, G.** (2021). Neuroscience research workshop on learning and memory. Workshop delivered for the New Mexico Tech Upward Bound Math-Science Program. Virtual
20. **Reyes, G.** (2020). Introduction to PsychoPy!. Workshop delivered for Dr. Tyler Watt’s Human Development Capstone Course at Teachers College, Columbia University, New York, NY
21. **Reyes, G.** (2018). Do I belong here? A GMS workshop on intentional and inclusive community building. Presentation delivered at the 2018 Gates Millennium Scholars Program Leadership Academy, Seattle, WA.

Invited Talks

2024 Youth Leadership Summit | Explora Children Science Museum
 Keynote Speaker

2023	Institute on Human Development University of California, Berkeley <i>Flash Talk, Money matters: How scarcity and abundance impact parent and child outcomes</i>
2021	The Synapse Teachers College, Columbia University <i>Guest Speaker, Alumni Connections with Neuroscience & Education students</i>
2021	Los Angeles TRIO Upward Bound Math Science (UBMS) Program <i>Guest Speaker, Upward Bound Career Talk</i>
2021	Society Advancing Chicanos/Hispanics and Native Americans in Science (SACNAS) NIH Chapter <i>Keynote Speaker, Open Discussion on LGBTQ+ Representation in Science</i>

SELECTED NON-ACADEMIC PUBLICATIONS

1. Reyes, G. (2023). Poverty and Neuroscience. *American Scientist*, 111(6), 333-335. [\[Link\]](#)
2. Reyes, G. (2017). Leave safe spaces alone. *Brown Daily Herald*.

LEADERSHIP & PROFESSIONAL EXPERIENCE IN SCIENCE

2020 - Present	Founder and Executive Director FLi Sci <i>Created a nonprofit and have raised \$1.1M+ in grant revenue to support first-generation/low-income (FLi) students pursue careers in academic science and medicine. More details at www.FLiSci.org</i>
Summer 2020	Education Pioneers Data Science Fellow Achievement Network <i>Developed a statistical pipeline using Item Response Theory (IRT) to provide curriculum feedback for the Math and ELA team on the quality and difficulty of their quarterly educational standardized assessments</i>
2019 - 2020	Career Success & Decision Science Graduate Intern The Opportunity Network <i>Created the Summer Science Research Program (SSRP) a virtual research internship for 20 high school students to build research skills during the COVID-19 shutdown</i>
2015 - 2018	Racial Equitect Program Coordinator Brown University Science Center <i>Supervised an organization with 140+ students to support the retention of underrepresented minorities in STEM through academic, personal, and professional programming</i>

TEACHING & MENTORING

Community-Engaged Teaching

Summer 2023, Summer 2021	Introduction to Cognitive Neuroscience New Mexico Institute of Mining and Technology <i>Guest Summer Course Instructor New Mexico Upward Bound Math Science Program</i> Designed and delivered an accelerated course on cognitive neuroscience to high school students in a rural setting highlighting the functions of the four lobes. Utilized interactive teaching methods to create an immersive learning environment, fostering students' interest and understanding in the field of neuroscience
Summer 2021	Introduction to Data Science Northeastern University <i>Summer Course Instructor Summer Math And Science Honors (SMASH) Academy</i> Taught an 8-week introductory data science course to 20 high school students, exposing low-income students to Python programming and the Pandas library. Achieved highest CS and college mentoring performance rating, with an average satisfaction in CS (3.25/4) and college (3.99/4), respectively
Summer 2020	“Data, Activated!” Introduction to Data Science The Opportunity Network <i>Teaching Assistant Course Instructor: Katherine Hanson</i> 5-week educational program introducing low-income high school students of color to data analytical skills and concepts. Directly mentored 8 students on their data science projects

Teaching Assistantships

Spring 2018	GISP 0001: Neuroscience of Racism Brown University <i>Course Co-Creator & Lead Instructor Faculty Sponsor: Dr. Monica Linden</i> Created and co-taught an undergraduate seminar exploring the neural correlates of racial bias and discrimination.
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Spring 2018	NEUR 2970 Advanced Systems Neuroscience II Brown University <i>Undergraduate Teaching Assistant Instructors: Drs. Monica Linden and David Sheinberg</i> Graduate-level statistics course for students in Brown's Neuroscience PhD Program
Fall 2017	CLPS 0900 Quantitative Methods in Psychology Brown University <i>Undergraduate Teaching Assistant Course Instructor: Dr. Kathryn Spoehr</i> Undergraduate-level statistics course for students interested in social and psychological sciences utilizing a flipped-classroom approach.
Spring 2017	CLPS 0040: Introduction to Cognitive Neuroscience Brown University <i>Undergraduate Teaching Assistant Course Instructor: Dr. Dima Amso</i>

Research Assistants / Interns

Term	Year	Name	University/Institution	Current Position
Summer	2025	Emily C. Aguilar	Foothill College	UC San Diego Undergraduate
Summer	2025	Maryam Nasibi	Foothill College	Foothill College student
Winter	2025	Monet Barela	University of New Mexico	UNM undergraduate
Summer	2023	David Felipe	Brown University	Brown University undergraduate
Summer	2023	Melissa Posas	Foothill College	Foothill College undergraduate
Winter	2023	Trisha Nguyen	Foothill College	UC Berkeley undergraduate
		♦ <i>Recipient of UC Berkeley's Regents' and Chancellor's Scholarship</i>		
Winter	2023	Esmeralda Garcia	Foothill College	Continued studies
Winter	2023	Gabriela Cruz	Foothill College	UC San Diego Undergraduate
Summer	2022	Will M. Anderson	Foothill College	Columbia University Undergraduate
Summer	2022	Darla Robles	Foothill College	Continued studies
Summer	2022	Aracely Zavala	Foothill College	UC San Diego Undergraduate

Student Mentoring

2023 - 2024:	Nallely Beulah Aceves	Stanford GSE	PhD Student
2020 - 2021:	Victoria Barrios	The Opportunity Network	Vassar College undergraduate
	♦ <i>QuestBridge National College Match Recipient to Vassar College</i>		
2015 - 2016:	Jessica Tang	QuestBridge	UC Davis, MD Candidate
	♦ <i>QuestBridge National College Match Recipient to Yale University</i>		

SERVICE AND PROFESSIONAL ACTIVITIES

Peer Review

Review of Educational Research (RER)

Volunteer Positions

2024 - Present: **Application Reviewer**, Echoing Green Global Fellowship

Science Outreach

2025- Present: **Advisory Board Member**, Our Future is Science (OFIS)
2025: **Mock Interviewer**, Cientifico Latino Graduate Student Mentor Initiative
2024: **NIH Diversity Supplement Mentor**, Heights Philadelphia
2021 - 2022: **Founder**, Neuroscience Inclusion Committee on Equitable Research (NICER) Initiative
2020 - 2021: **Equity and Representation Team** — Social Media & Outreach, BraiNY
2019: Science Day Curiosity Experiment Demo, Zuckerman Mind, Brain, and Behavior Institute

Education Outreach

2024: **First Generation Student Panel** | Teachers College, Columbia University
2024: **QB Convene Alumni Panel & Roundtable Discussion** | QuestBridge
2024: **Social Justice and Activism Panel Moderator** | Fortis Society 2024 Summit in Barcelona
2021 - 2023: **Board of Directors** | Road to Uni
2020 - 2022: **Advisory Board Member** | EdMobilizer End Your Legacy Initiative
2020 - 2021: **New England Executive Board Member** | Education Pioneers
2019 - 2020: **Alumni College Admissions Interviewer** | Brown University

2020: **College Essay Writing Workshop** | First Workings
 2019: **College Admissions Mentor** | Washington Heights Expeditionary Learning School
 2018 - 2019: **Director of Co-optation & Admissions** | Future Leaders Foundation
 2016 - 2018: **Campus-Based Leader @ Brown** | Gates Millennium Scholars Program
 2015 - 2018: **Talent Advisory Council Founder and Committee Member** | Future Leaders Foundation
 2014 - 2015: **Executive Board Member** | Quest Scholars @ Brown

SELECTED INTERVIEW AND MEDIA COVERAGE

02/2023:	<u>Federation of American Scientists</u>	“Empowering First Generation Scientists with Gabriel Reyes”
09/2022:	<u>Camelback Ventures</u>	“2022 Fellow Focus: Gabriel Reyes + FLi Sci”
06/2021:	<u>Brown University Alumni Office</u>	“For one young alum, the impact of financial aid continues to reverberates”
11/2020:	<u>Teachers College Early Risers</u>	“Exploring Poverty’s Impact on Learning”
04/2016:	<u>Hispanic Scholarship Fund</u>	“#HSF Scholar Stories”
05/2014:	<u>UNM Newsroom</u>	“Upward Bound student Gabriel Reyes is Ivy League bound”

PROFESSIONAL AFFILIATIONS

Association for Psychological Science (APS)
 Society for the Psychological Study of Social Issues (SPSSI)
 Society for Research on Adolescence (SRA)
 Society for Research in Child Development (SRCD)
 Education Leaders of Color (EdLoC)
 Communicating and Expanding Research on Adversity Network (CERA)
 American Education Research Association (AERA)
 Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)

Updated July 2026