

SIDNI A. (VAUGHN) JUSTUS

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EDUCATION

- 2019** **Ph.D., Cognition & Brain Science Psychology**
Georgia Institute of Technology
Minor: Industrial/Organizational Psychology
Advisor: Dr. Jenny L. Singleton
- 2017** **M.S., Cognition & Brain Science Psychology**
Georgia Institute of Technology
- 2014** **B.S., Psychology**
Georgia Institute of Technology
Summa Cum Laude
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PROFESSIONAL APPOINTMENTS

- 2019-present** **Visiting Assistant Professor, Psychology (9-month, full-time)**
Oglethorpe University – Atlanta, GA
- 2019-2021** **Postdoctoral Research Fellow**
Georgia Institute of Technology, Faculty advisor: Dr. Audrey Duarte
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HONORS & AWARDS

- 2021** **Summer Research Grant**, Office of the Provost, Oglethorpe University
Amount: \$10,500
- 2019** **Ruth L. Kirschstein National Research Service Award**
Postdoctoral Training Fellowship, National Institute on Aging
Faculty Advisor, Dr. Audrey Duarte
- 2018** **Graduate Teaching Fellow**
Center for Teaching and Learning, Georgia Institute of Technology
Amount: \$3500
- 2018** **Graduate Student Instructor of the Year (University-wide)**
Center for Teaching and Learning, Georgia Institute of Technology
Amount: \$500

- 2018 Graduate Teaching Assistant of the Year**
School of Psychology, Georgia Institute of Technology
Amount: \$750
- 2014 President's Undergraduate Research Award**
Georgia Institute of Technology
Travel stipend to attend 29th Annual Society for Industrial & Organizational Psychology Conference, Honolulu, HI
Amount: \$800
- 2013-2014 Zell Miller Undergraduate Scholarship**
Georgia Institute of Technology
- 2013 National Science Foundation Research Experience for Undergraduates**
Amount: \$3000
- 2012-Present Psi Chi National Psychology Honors Society**
Georgia Institute of Technology
- 2012 Undergraduate Research Methods Poster Award**
Georgia Institute of Technology
- 2011 Sigma Alpha Lambda Honors Society**
University of Georgia

TEACHING INTERESTS

Introductory psychology, research design and methodology courses, foundational developmental psychology (e.g., lifespan approach or any segment thereof), advanced topics of typical and/or atypical developmental psychology (e.g., history and research methods in Autism Spectrum Disorder); statistics for social sciences (i.e., quantitative & qualitative approaches to analysis); social network analysis

TEACHING EXPERIENCE

INDEPENDENTLY TAUGHT:

**multiple sections, ^online/remote modality, †hybrid modality*

2019-present Department of Psychology, Oglethorpe University
Visiting Assistant Professor

*Fall 2021	PSY320	Psyc. Stats & Methods I	22 students
Fall 2021	PSY101	Introduction to Psychology	25 students
Fall 2021	PSY203	Learning & Conditioning	18 students
^Sum. 2021	^PSY204	Theories of Personality	4 students

*^+Spring 2021	PSY201	Developmental Psychology	63 students
+Spring 2021	PSY101	Introduction to Psychology	23 students
^Fall 2020	PSY203	Learning & Conditioning	24 students
*^Fall 2020	PSY101	Introduction to Psychology	49 students
Sum. 2020	PSY201	Developmental Psychology	14 students
*Spring 2020	PSY101	Introduction to Psychology	47 students
Spring 2020	PSY290	Social Networking Seminar	23 students
*Fall 2019	PSY101	Introduction to Psychology	46 students
Fall 2019	PSY201	Developmental Psychology	20 students

2017-2019 School of Psychology, Georgia Institute of Technology
Instructor of Record

Spring 2019	PSYC1101	General Psychology	88 students
Spring 2018	PSYC2103	Human Development	69 students
Fall 2017	PSYC1101	General Psychology	105 students

CO-INSTRUCTOR/TEACHING ASSISTANT:

2016 School of Psychology, Georgia Institute of Technology
Co-Instructor

Fall 2016	PSYC1101	General Psychology	72 students
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2014-2018 School of Psychology, Georgia Institute of Technology
Graduate Teaching Assistant

Fall 2018	PSYC2103	Human Development	79 students
Fall 2016	PSYC2015	Research Methods	70 students
Spring 2016	PSYC1101	General Psychology	287 students
Fall 2015	PSYC2015	Research Methods	74 students
Spring 2015	PSYC2015	Research Methods	68 students
Fall 2014	PSYC1101	General Psychology	106 students

OTHER EXPERIENCE:

2017-2019 Center for Teaching and Learning, Georgia Institute of Technology
Graduate Teaching Fellow

Activities:

- Developed & facilitated workshops for Teaching Assistant Orientation (300+ students impacted, including both graduate and undergrad teaching assistants) on topics including: effective communication and presentation skills, teaching assistant policies and procedures (e.g., FERPA, Disability Services, Academic Integrity), and research driven methodologies that aid student learning

- Consulted with individual teaching assistants and future faculty about teaching and conducted teaching observations for fellow graduate students and postdocs
- Led a self-created project which includes creating and administering a survey to current Psychology department instructors about instructor-required TA responsibilities across different course sections and faculty opinions on current vs. desired TA roles within the classroom and the quality of resources/training offered to our TAs. Findings from this survey were used to evaluate the consistency of department-provided teaching-related experiences in preparing students for academic jobs
- <http://ctl.gatech.edu/content/2018-graduate-teaching-fellows-cohort>
Stipend: \$3500

Tech to Teaching Certificate

Description:

- This program provides students with additional training and development who want to pursue future faculty positions. Completed both the foundational level and capstone project in Spring 2019. Also completed the Associate-Level Teaching Certificate awarded by the Center for the Integration of Research, Teaching and Learning (CIRTL) Network.
- <http://www.cetl.gatech.edu/content/tech-teaching-0>

2015-2019 Guest Lectures, Georgia Institute of Technology

Course: Topic(s) covered (Date(s)):

- General Psychology: Memory (10/21/19)
- General Psychology: Operant Conditioning (10/9/19)
- General Psychology: APA Writing Style/Plagiarism (03/5/2019)
- General Psychology: Classical Conditioning (02/19/19)
- General Psychology: Psychological Disorders (11/28/18)
- General Psychology: Social Psychology (11/12/18-11/16/18)
- General Psychology: Personality (11/5/18-11/9/18)
- Human Development: Plagiarism, APA Style & Writing (11/1/18)
- Introduction to Cognitive Psychology: Reasoning, Intelligence (04/13/18)
- General Psychology: Operant Conditioning, Consciousness (10/12/17)
- Developmental Psychology: Intelligence and Academic Achievement (06/16/16)
- General Psychology: Health Psychology (02/19/16)
- Georgia Tech Undergraduate First Year Seminar: Undergraduate Experience at Georgia Tech & Current Research Projects (11/02/15)

RESEARCH INTERESTS

Memory, visual attention, and metacognition in Autism Spectrum Disorder across the lifespan, trajectory of aging in autism as compared to neurotypical aging, factors affecting quality of life (e.g., sleep, stress, sociodemographics) in adults with autism, the impact of socially contingent interactions in infancy and early childhood on developmental outcomes (e.g., language acquisition, development of communicative and social skills)

PUBLICATIONS & PRESENTATIONS

PUBLICATIONS & SUBMITTED MANUSCRIPTS

(under review) **Justus, S. A.**, Powell, P. S., & Duarte, A. Intact context memory performance in adults with autism spectrum disorder. *Preprint available from Scientific Reports.*

<https://doi.org/10.21203/rs.3.rs-257851/v1>

Justus, S. A., Singleton, J. L., & Rozga, A. The utility of RABC in assessing risk-status for Autism in children compared to MCHAT: An exploratory study.

DeChurch, L.A., Carter, D.R., Asencio, R., Wax, A., Seely, P.W., Dalrymple, K., **Vaughn, S. A.**, Jones, B., Plummer, G., & Mesmer-Magnus, J.R. (2018). From teams in organizations to organizing in teams. In Anderson, Ones, Sinangil, & Viswesvaran, *Handbook of Industrial, Work, and Organizational Psychology: V2: Organizational Psychology (2nd Ed.)*. Sage Publications Ltd.

MANUSCRIPTS IN PREPARATION

Justus, S. A., Mirjalili, S., & Duarte, A. Investigating effects of selective attention demands during encoding on episodic reconstruction during context retrieval in Autism: An ERP Study. *Manuscript in preparation.*

Justus, S. A. & Duarte, A. Exploring interactions between sleep quality, memory, and sociodemographic factors: A large sample online study of autism spectrum disorder. *Manuscript in preparation.*

POSTERS/PRESENTATIONS/WORKSHOPS

**denotes undergraduate student*

Justus, S. A., Mirjalili, S., Powell, P., & Duarte, A. (2021, March). *Investigating selective attention effects on context memory in adults with autism: An EEG study.* Poster presented at the 28th Annual Meeting of the Cognitive Neuroscience Society, Virtual.

Justus, S. A., Powell, P., & Duarte, A. (2020, September). *Accuracy and Confidence of Context Memory Judgments in Adults with ASD.* Presented at the Georgia Institute of Technology Psychology Department's CBS/Aging Fall 2020 Brown Bag Series, Atlanta, GA.

Justus, S. A., Singleton, J. L., & Rozga, A. (2020, February). *Evaluating the Predictive Ability of Early Autism Risk Screeners: A Longitudinal Follow Up Study of Developmental Progress and Diagnostic Outcomes*. Presented at the Georgia Institute of Technology Psychology Department's CBS/Aging Spring 2020 Brown Bag Series, Atlanta, GA.

*Botti, C., **Vaughn, S. A.**, Rozga, A., & Singleton, J. L. (2017, April). A comparison of early speech production in typically-developing children and children at-risk for autism spectrum disorder. Poster presented at the 2017 Georgia Undergraduate Research on Psychology Conference, Kennesaw, GA.

*Jensen, M., **Vaughn, S. A.**, Rozga, A., & Singleton, J. L. (2017, April). Developmental trajectory of vocal affect in children at-risk for autism spectrum disorder. Poster presented at the 2017 Georgia Undergraduate Research on Psychology Conference, Kennesaw, GA.

*Botti, C., Jensen, M., **Vaughn, S. A.**, Rozga, A., & Singleton, J. L. (2017, March). Understanding developmental trends in infants at-risk for autism: Evaluation of speech and vocal affect during social play. Poster presented at the 2017 meeting of the Georgia Psychological Association, Atlanta, GA.

*Perkins, H., **Vaughn, S. A.**, & Singleton, J. L. (2016, April). Patterns of responsive gaze behavior: An investigation of infants exposed to sign language. Poster presented at the 2016 meeting of the Georgia Psychological Society, Atlanta, GA.

Vaughn, S. A. (2016, April). ELAN: An introduction to a tool for analyzing video based behavioral data. Workshop presented at the 2016 meeting of the Georgia Psychological Society, Atlanta, GA.

Vaughn, S. A., & Singleton, J. L. (2016, April). Infant gaze following: Evaluation of experimental consistency of intertrial toy play. Presentation presented at the 2016 meeting of the Georgia Psychological Society, Atlanta, GA.

Vaughn, S. A., Wax, A., Newman, D. A., DeChurch, L. A. (2015, July). The transmission and absorption of unique information in decision-making teams: A social network perspective. Poster accepted for presentation at the Interdisciplinary Network for Group Research Annual Conference, Pittsburgh, PA

Vaughn, S. A., Wax, A., Newman, D. A., DeChurch, L. A. (2014, May). Goal orientation and the absorption of unique information in teams. Poster presented at Society for Industrial & Organizational Psychology Annual Conference, Honolulu, HI

GRANT RESEARCH EXPERIENCE

2019-2021 **School of Psychology, Georgia Institute of Technology**

Postdoctoral Training Fellow

Activities:

- Faculty supervisor: Dr. Audrey Duarte (currently: U. Texas at Austin)
- Develops and executes research projects on topics in lifespan development in Autism Spectrum Disorder
- Supervises undergraduate research assistants aiding in ongoing research including students from Oglethorpe University in summer 2021
- Regularly presents ongoing work at departmental colloquia
- Works to expand knowledge and gain new expertise (e.g., Python3 coding language, use of electroencephalogram (EEG) in research) in career-relevant areas through conference attendance and training resources funded as part of National Institute on Aging, Institutional Training Grant (T32)

2014-2015 School of Psychology, Georgia Institute of Technology*Graduate Research Assistant*

Activities:

- Coordinated materials used for data collection to assist Dr. Leslie DeChurch's involvement as a consultant on this \$1M grant (Project: Planning Knowledge Networks for Scaling Up Impact, Bill & Melinda Gates Foundation) which uses existing social networks and social influence to expedite the scaling up of health innovations in Bihar, India
- Worked as member of a research team to help create materials, schedule and run research participants, and enter and evaluate data collected for multiple research projects investigating multi-team systems

Sum. 2013 National Science Foundation Research Experience for Undergraduates (REU), Georgia Institute of Technology*Undergraduate Research Assistant*

Activities:

- Worked on cleaning and organizing data for use in the Army Research Institute (ARI) funded Co-Evolutionary Networks Grant and assisted in the preparation of strategy meetings with the principal investigators and consultants on this project.
- Attended the 2013 Interdisciplinary Network for Group Research (INGRoup) Conference and Social Network Analysis workshop in Atlanta, GA.
- Developed research ideas for a senior thesis and assisted in authorship for a 2014 Society for Industrial and Organizational Psychology (SIOP) Conference poster submission in Honolulu, HI.

Stipend: \$3000, funded as a part of two NSF grants (SES #1056217 and SBE #1063901).

INDIVIDUAL STUDENT GUIDANCE

M.S. THESIS COMMITTEE

Fall 2020 Zachary Tidler, *Georgia Institute of Technology*
 “Individual differences in deepfake detection: Mindblindness and political orientation”, Defended December 2020, Chair: Dr. Richard Catrambone

UNDERGRADUATE MENTORSHIP

Summer 2021 J.T. Jones (Oglethorpe)
 Ian Proser (Oglethorpe)
 Rafael Aragon (Oglethorpe)
 Jazz Zoughi (Oglethorpe)

Spring 2021 Amber Fischer (Georgia Tech)
 Mackenzie Pierce (Georgia Tech)

SERVICE & DEVELOPMENT

2021-present Cheerleading, Oglethorpe University

Advisor/Coach

- Advises and advocates for the student-led cheerleading team
- Serves as supervising coach for team attendance at Universal Cheerleaders Association (UCA) camps/workshops
- Regularly meets with captains/board to discuss budget, fundraising, and team athletic goals

2020-present Journal Reviewer

- Journal of Autism and Developmental Disorders (JADD)

2019-present James Edward Oglethorpe (JEO) Scholarship Weekend, Oglethorpe University

Seminar Instructor

Activities:

- Leads discussion-based seminar on a unique topic of interest (recent title: ‘Hey Google, can you help me avoid dementia?’)
- Provides prospective scholarship recipients with a pre-seminar reading and a post-seminar essay prompt
- Evaluates essays and submits scores to be used in consideration of students competing for one of four full-tuition scholarships awarded by the university

Spring 2017 Graduate Assistant to Undergraduate Coordinator, Georgia Institute of Technology

- Assisted Undergraduate Coordinator, Dr. Jenny L. Singleton, jenny.singleton@psych.gatech.edu
- Helped prepare materials for advising sessions on undergraduate curriculum including flyers displaying course offerings
- Hosted informal undergraduate events including “Final Stretch Donuts” to boost student morale going into final exams
- Prepared faculty proposals for new course offerings

2016-2019 **President’s Undergraduate Research Awards, Georgia Institute of Technology**
Award Submission Reviewer

Activities:

- Reviews undergraduate submissions for salary and/or travel awards to conduct research with Georgia Tech faculty and present research at professional conferences
- <http://www.undergradresearch.gatech.edu/content/presidents-undergraduate-research-awards>

2016-2019 **School of Psychology, Georgia Institute of Technology**

Research Methods (PSYC 2015) Final Project Poster Competition Judge

Activities:

- Serves on committee of judges for undergraduate Research methods course end-of-semester poster competition; poster presentations showcase each team’s semester-long project in which they chose a topic of interest (e.g., effects of Virtual Reality vs. PowerPoint delivery of information on comprehension) and conduct an experiment using fellow lab students as participants; this project serves as their final deliverable for the course and winners of the competition receive extra credit towards overall course grade as well as departmental recognition on a plaque

2016, 2018 **School of Psychology Summer Camp, Georgia Institute of Technology**

Camp Instructor, Center for Education Integrating Science, Mathematics, and Computing (CEISMC)

Activities:

- Developed curriculum and schedule for a one-week summer camp for high school students
- Taught lectures educating students on the history of Psychology, important concepts and findings, ethical practices in research, and current techniques and methods being used in the field
- Coordinated hands-on demonstration and activities featuring various technologies such as: Magnetic Resonance Imaging (MRI), Electroencephalography (EEG), Transcranial Magnetic Stimulation (TMS), Transcranial Direct Current Stimulation (tDCS), and driving simulator
- Filmed and edited a compilation video presentation of student camp experiences

- 2017** **College of Sciences, Georgia Institute of Technology**
Psychology Department Representative
 Activities:
- Represented School of Psychology at welcome reception hosted by the College of Sciences (October 27, 2017)
 - Discussed undergraduate program curriculum, research opportunities, and campus culture with incoming students and families
- 2017** **Psychology Club, Georgia Gwinnett College (GCC)**
Guest Panelist
 Activities:
- Represented Georgia Tech’s graduate program at panel hosted by GCC’s Undergraduate Psychology Club (April 6, 2017)
 - Presented on admissions, curriculum, research, and campus culture
- 2017** **Southeastern Psychological Association (SEPA)**
Conference Submission Reviewer
 Activities:
- Reviewed proposals for 2017 Annual Conference
- 2016-2017** **Atlanta Regional Brain Bee, Atlanta Chapter for the Society of Neuroscience (ACSFN)**
Workshop Instructor
 Activities:
- Worked with colleagues at Georgia State University and Emory University to create workshops on “Brain Basics” and “Post-Synapse and Signaling” for students in prep for participation in annual Brain Bee competition

AFFILIATIONS

- American Psychological Association (APA)
- Center for the Integration of Research, Teaching, and Learning (CIRTL)
- International Society for Autism Research (INSAR)
- Cognitive Neuroscience Society (CNS)
- Atlanta Autism Consortium (AAC)
- Georgia Psychological Association (GPA)
- Psi Chi National Psychology Honors Society
- Student Alumni Association (SAA), Georgia Institute of Technology
- National Science Foundation Science of Learning Center on Visual Language and Visual Learning (VL2)

CERTIFICATIONS

- 2021** **Autism Diagnostic Observation Schedule, 2nd edition (ADOS-2) Clinical Training**
Vanderbilt Kennedy Center, Vanderbilt University
- 2019** **Associate-Level Teaching Certificate**
Center for the Integration of Research, Teaching and Learning (CIRTL) Network
- 2019** **Tech-to-Teaching Certificate**
Center for Teaching and Learning, Georgia Institute of Technology

SOFTWARE SKILLS

- Course management systems (Moodle, Canvas, iClicker, LaunchPad, T-square, MindTap)
- General statistical software packages: SPSS, R, JASP
- Coding: Intermediate-level Python, basic MATLAB
- ELAN (video coding/annotation software)
- Social network analysis: UCInet, and 'statnet,' 'SNA,' and 'ergm' packages in R
- MS-Office

REFERENCES

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