Stephen Anthony Gonzalez
Sagon151@stanford.edu
stephengonz151@gmail.com
https://sgonzalez122.github.io
Cell: 1(626)-252-7445

Education

University of Southern California (USC)   Fall 2018 - Spring 2019
   Master of Science in Neuroimaging and Informatics
      GPA: 3.5

California State University, Fullerton (CSUF)   Fall 2014 - Spring 2018
   Bachelor of Arts in Psychology
      Overall GPA: 3.36
      CSUF GPA: 3.72

Mount San Antonio College (Mt. Sac)   Fall 2009 - Spring 2014
   Associate of Arts of Psychology
      GPA: 3.07

Research Experience

Graduate School of Education   Fall 2022 – present
Research Coordinator
Advisor: Dr. Bruce McCandliss
Stanford University
- Coordinated behavioral and EEG data collection with adult and child participants
- Designed experimental methods to maximize comfort and engagement of child participants
- Programed experimental tasks using MATLAB and PsychoPy
- Led Neuroscience education and engagement activities at partner schools

Caltech Division of the Humanities and Social Sciences   Fall 2019 – Fall 2022
Research Technician Assistant
Advisor: Dr. Antonio Rangel
California Institute of Technology
- Performed data collection using EyeLink 1000 eye tracker
- Performed data quality control and statistical analysis
- Performed data entry, management, and organization
- Programmed Eye Tracking tasks using MATLAB and Psychtoolbox-3
- Visualized data using Statistical Software R

USC Neuroimaging and Informatics Institute   Summer 2017 - Spring 2019
Research Assistant
Advisor: Dr. Kristi Clark
University of Southern California
- "Changes in the Reading Network of Dyslexia as Measured by Multimodal Imaging"
   - Implemented fMRI data preprocessing protocols using FSL and AFNI
   - Performed data quality control and statistical analysis

       o   Performed data entry, management, and organization

Big Data Discovery and Diversity Research Education Advancement Program   Spring 2017
Scholar
Advisor: Dr. Archana McEligot and Sam Behseta
California State University, Fullerton
- "You Are What You Eat: Folate and Depression"
    - o Collaborated with faculty from Health Science and Mathematics to design a research project incorporating big data science techniques, such as data management and analysis.
    - o Assess the relationship between folate and depression utilizing data from the National Health and Nutrition Examination Survey dataset

Goetz Evolutionary Psychology Lab   July 2015 - May 2016
Research Assistant
Advisor: Dr. Aaron Goetz, Associate Professor of Psychology
California State University, Fullerton
- Performed literature review searches
- Assisted with data collection and experimental protocols
- Participated in discussion of research designs

Teaching Experience

Athletics Peer Tutor, Student Athletic Academic Services (SAAS),   Fall 2018
University of Southern California
Peer Tutor
Advisor: Cory Buckner
- Tutored a case load of student athletes on a variety of courses including Psychological Research Methods, Statistics in Psychology, and Pre-Calculus
- Assisted students with homework, class projects, and exam material in 1-on-1 60-minute sessions once per week

Undergraduate Course Assistant, Psychology Department,   Spring 2016 - Fall 2016
California State University, Fullerton
Teaching Assistant for Elementary Statistics in Psychology
Professor: Dr. Kathleen Preston
- Graded homework assignments
- Assisted students with SPSS and Excel during laboratory section
- Guest lecturer for lab section
- Assisted students with questions via E-mail
- Held office hours
- Created study guides for exams
- Updated Lab slides, assignment keys and exams
- Hosted review session

Stats Tutor, Psychology Department, Mt. San Antonio College   Fall 2016

Tutor for Statistics for the Behavioral Sciences
Professor: Michael Dowdle
- Assisted students with questions via scheduled appointment

Professional and Technical Skills
- Technical Equipment
    - EGI's 128-channel HydroCel Sensor Net - Proficient
    - Wearable Sensing's DSI-VR 300 - Competent
    - Wearable Sensing's DSI-24 – Competent
    - EyeLink 1000 Eye Tracker - Proficient

- Programming Skills
    - Statistical Software R - Proficient
    - Matrix Laboratory (MATLAB) - Proficient
    - Hyper Text Markup Language (HTML) - Competent
    - Cascading Style Sheets (CSS) - Competent
    - PsychoPy - Moderate
    - Linux/UNIX – Competent

- Assessments
    - Test of Word Reading Efficiency-Second Edition (TOWRE-2) – Proficient Test of Silent Reading Efficiency and Comprehension (TOSREC) - Proficient
    - Edinburh Handedness Inventory - Proficient
    - Kaufman Brief Intelligence Test Second Edition (KBIT-2) - Proficient
    - Comprehensive Test of Phonological Processing Second Edition (CTOPP-2) Subtest VII – Rapid Color Naming - Proficient
    - Woodcock Johnson-IV, Test 9, Sentence Reading Fluency - Competent
    - Wechsler Abbreviated Scale of Intelligence - Second Edition (WASI-II; Wechsler, 2011) – Competent

- MRI ToolKits
    - FMRIB Software Library (FSL) - Proficient
    - Analysis of Functional NeuroImages (AFNI) - Novice
    - Statistical Parametric Mapping (SPM) - Novice

Publications
- Wang, F.*, **Gonzalez, S.***, McCandliss, B. (in preparation). *Comparing the visual processing of words, faces, and objects, in children with and without Dyslexia.*
* Co-first authors.

- Eum, B., **Gonzalez, S.**, & Rangel, A. (in preparation). *Attention in Aversive Choice: Sequential Sampling Over Range-Normalized Value Signals.*

- McEligot, A.J., Cruz, S.S., **Gonzalez, S.,** Pogoda, J.M. (2017). The association between dietary folate, folate supplementation and total folate intakes with depression in a diverse adult population. *California Journal of Health Promotion.*

Presentations

- Dewan, V., Hasak, L., Wang, F., Gosavi, R., Toomarian, E., **Gonzalez, S.,** McCandliss, B. (2024). *Relationship between spelling ability and cortical responses to familiar letter combinations.* Poster presentation at FLUX Developmental Cognitive Neuroscience Society, Baltimore, USA.

- Wang, F., Hasak, L., Gosavi, R., Toomarian, E., Dewan, V., **Gonzalez, S.,** McCandliss, B. (2024). *Growth of cortical responses to familiar letter combinations in a natural school context: A research-practice partnership between researchers, teachers, and students.* Poster presentation at International Mind Brain and Education Society, Brussels, BE.

- Hasak, L., Gosavi, R., Wang. F, Toomarian, E., Dewan, V., **Gonzalez, S.,** McCandliss, B. (2024). *Deep Seal Spellers: Spelling Training Drives Change in Children's Orthographic Representations".* Poster presentation at International Mind Brain and Education Society, Brussels, BE.

- Wang, F., Gosavi, R., Toomarian, E., Hasak, L., Dewan, V., **Gonzalez, S.**, and McCandliss, B. (2024). *How bringing EEG-SSVEP reading studies into schools is reshaping our lab-based experimental paradigms.* Presentation at International Mind Brain and Education Society, Brussels, BE.

- Ulsa, M.C., Wang, F., Nguyen, Q.T.H., **Gonzalez, S**., Kaneshiro, B., Toomarian, E.Y., McCandliss, B.D. (September 2024). *Developmental Dynamics of Reading: Exploring Differences of Amplitude and Latency between Childhood and Adulthood.* Poster presented at Flux Society for Developmental Cognitive Neuroscience, Baltimore, Maryland.

- Ulsa, M.C., Korisky, A., **Gonzalez, S**., McCandliss, B.D. (May 2024). *Validation of a 7-Channel Wearable System with SSVEP.* Poster presented at NeuroTech Community Science Share Out Event at the Stanford Wu Tsai Neuroscience Institute, Stanford, California.

- Eum, B., **Gonzalez, S.**, & Rangel, A. (November 2023). *Attentional Over-Weighting in Gains, Attentional Under-Weighting in Losses.* Society for Judgement and Decision Making, San Francisco, California.

- Eum, B., **Gonzalez, S.,** & Rangel, A. (October 2023). *Attentional Over-Weighting in Gains, Attentional Under-Weighting in Losses.* Poster presentation at the Association for Consumer Research, Seattle, Washington.

- Eum, B., **Gonzalez, S.**, & Rangel, A. (October 2023). *Attentional Over-Weighting in Gains, Attentional Under-Weighting in Losses.* Invited talk presentation at The Society for Neuroeconomics, Vancouver, Canada.

- Eum, B., **Gonzalez, S.**, & Rangel, A. (July 2023). *Attentional Over-Weighting in Gains, Attentional Under-Weighting in Losses*. Poster presentation at the Interdisciplinary Symposium on Decision Neuroscience, Fox School of Business, Temple University.

- Eum, B., **Gonzalez, S.**, & Rangel, A. (July 2023). *Attentional Over-Weighting in Gains, Attentional Under-Weighting in Losses*. Poster presentation at University of Pennsylvania's Neuroeconomics Summer School Program, University of Pennsylvania.

- Barakat, R., **Gonzalez, S.**, Rajan, M., Azad, A., Krafnick, A., Orozco, M., McGregor, H., Zevin, J., Manis, F., Clark, K. (May 2019). *Examining the role of Discrepant IQ and Reading Ability in Reading Network Activation*. Poster presentation at the Organization for Human Brain Mapping. Rome, Italy.

- **Gonzalez, S.**, Barakat, R., Rajan, M., Clark, K. (March 2019). *Assessing the Relationship Between Reading Ability and Dyslexia: A Behavioral and fMRI Study*. Poster presentation at the Cognitive Neuroscience Society conference. San Francisco, CA.

- **Gonzalez, S.**, Lynch, K., Orozco, M., & Clark, K. (November 2017). *Dyslexia: Related Behaviors and Neuronal Abnormalities.* Poster presentation at the Southern California Conference for Undergraduate Research. Pomona, CA.

- Sta. Cruz, S., **Gonzalez, S.**, Behseta, S., Pogoda, J., & McEligot, A. (November 2017). *You Are What You Eat: Folate and Depression.* Poster presentation at the Southern California Conference for Undergraduate Research. Pomona, CA.

- **Gonzalez, S.**, Lynch, K., Orozco, M., & Clark, K. (September 2017). *Dyslexia: Related Behaviors and Neuronal Abnormalities.* Poster presentation at the California BD2K Workshop, Huntington Beach, CA.

- Sta. Cruz, S., **Gonzalez, S.**, Behseta, S., Pogoda, J., & McEligot, A. (September 2017). *You Are What You Eat: Folate and Depression.* Poster presentation at the California BD2K Workshop, Huntington Beach, CA.

- **Gonzalez, S.**, Lynch, K., Orozco, M., & Clark, K. (July 2017). *Dyslexia: Related Behaviors and Neuronal Abnormalities.* Oral presentation at the University of Southern California's Laboratory of Neuro Imaging, Los Angeles, CA.

- Sta. Cruz, S., & **Gonzalez, S.** (May 2017). *You Are What You Eat: Folate and Depression.* Oral presentation at the Big Data Discovery and Diversity Student Research Projects and Research Day, Fullerton, CA.

- Bacigalupi, S., Crawford, J., Gibson, V., **Gonzalez, S.**, & Lohff, I. (April 2015). *Understanding Emotion: How gender plays an important role.* Poster presentation at the Western Psychological Association Conference. Las Vegas, NV.

Training and Courses Attended

- FMRIB Software Library (FSL) Course   Fall 2020

Academic Affiliations

- Psi Chi National Honors Society: Member   May 2016 - Present
- Psychology Department Student Association (PDSA): Member   August 2015 - May 2016

Honors/Awards

California State University, Fullerton

- Big Data Discovery and Diversity Research Education Advancement Program
  (BD3-REAP) Scholar   October 2016 - Spring 2018
- Dean's List   Fall 2016 - Spring 2017