

Stephen Anthony Gonzalez
sagonzal@caltech.edu
stephengonz151@gmail.com
<https://sgonzalez122.github.io>

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

Caltech Division of the Humanities and Social Sciences Fall 2019 - Present
Research Technician Assistant
Advisor: Dr. Antonio Rangel
California Institute of Technology

- Performed Eye Tracking **data collection** using EyeLink 1000 eye tracker
- Performed data quality control and statistical analysis
- Performed data entry, management, and organization
- Programmed desired Eye Tracking tasks using MATLAB and Psychtoolbox-3

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
 - 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”
 - Collaborated with faculty from Health Science and Mathematics to design a research project incorporating big data science techniques, such as data management and analysis.

- 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

Research methods in psychology course

Fall 2013

Student

Advisor: Stacy Bacigalupi, Professor of Psychology
Mt. San Antonio College

- “Understanding Emotion: How gender plays an important role”
 - Worked with classmates to designed experimental research project examining how gender influences the interpretation of emotions and facial expressions.
 - Worked as a group to learn about the research process including reviewing relevant literature, collecting data, running analyses using SPSS, and writing a manuscript.

Professional and Technical Skills

- Microsoft Word, PowerPoint, and Excel - Proficient capability
- Statistical Software R - Proficient at coding and writing scripts
- MATLAB – Proficient at programing tasks and data processing scripts
- IBM Statistical Package for the Social Sciences (SPSS) - Moderate skill
- Linux - Basic navigation and commands
- UNIX - Basic navigation and commands
- C++ Programming - Can edit existing code and write code with supporting materials
- FMRIB Software Library (FSL) - Have experience running and editing commands
- Analysis of Functional NeuroImages (AFNI) - Have experience running and editing commands, cluster thresholding, and 3D volume rendering
- SPM - Have experience converting DICOM to NIFTI and running segmentation procedures.
- Wechsler Abbreviated Scale of Intelligence - Second Edition (WASI-II; Wechsler, 2011) - Have trained and shadowed with test proctors for research purposes
- Hyper Text Markup Language (HTML) – Novice programing for webpage design
- Cascading Style Sheets (CSS) – Novice styling for webpage design

Training and Courses Attended

- FMRIB Software Library (FSL) Course Fall 2020

Teaching Experience

Athletics Peer Tutor, Student Athletic Academic Services (SAAS),
University of Southern California

Fall 2018

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,
California State University, Fullerton**

Spring 2016 - Fall 2016

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

Publications

- 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

- 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.