

Harmony Nguyen

Curriculum Vitae

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EDUCATION

Bachelor of Arts, Psychology, GPA 3.97
California Polytechnic State University, Pomona

May 2022

RESEARCH INTERESTS

Parent-child relationship, family stress, environmental risk/protective factors that affect health outcomes for children and adolescents.

RELEVANT SKILLS

Data Collection: NIRx Functional Near-Infrared Spectroscopy (fNIRS), BrainVision Electroencephalography (EEG), MindWare Electrocardiography (ECG), Pupil Invisible Mobile Eye-Tracking, REDCap, Qualtrics, SONA

Statistics: R, SPSS

Applications: Microsoft Office (Excel, PowerPoint, Word, Teams), Google Services (Spreadsheets, Slides, Forms, Docs), Adobe Acrobat, Slack, R Studio, Zoom, GitHub

Languages: English (Native), Spanish (Working Proficiency), Vietnamese (Working Proficiency)

RESEARCH EXPERIENCE

Project Coordinator/Research Assistant

November 2022-September 2024

Cognition, Affect, and Temperament Lab
Pennsylvania State University

Supervisors: Koraly Pérez-Edgar, Ph.D., Susan Perlman, Ph.D.

- Longitudinally examined dyadic synchrony (neural and biological) and emotion modeling as mechanisms for anxiety transmission from parents to children ages 4 to 6 years old
- Recruited, enrolled, and scheduled more than 90 parent-child dyads throughout Central Pennsylvania
- Administered tasks (e.g., Disruptive Behavior Diagnostic Observation Schedule, Erikson Flanker, and Trier Social Stress Test) to parent-child dyads while collecting neural (fNIRS and EEG), heart rate, and behavioral data
- Designed and gathered questionnaire data in REDCap
- Wrote scripts in R to clean and score questionnaire data, run API requests that extract geospatial data from United States Census, analyze and report sample characteristics
- Wrote and oversaw IRB modifications
- Managed an estimated \$1,000,000 yearly budget funded by the National Institute of Mental Health (e.g., planning monthly and yearly expenses, purchasing items, paying participants, and executing larger equipment purchases)
- Supervised a team of 20 undergraduate research assistants
- Onboarded new members and train team on all aspects of data collection and recruitment

Lead Undergraduate Research Assistant

May 2021-October 2022

Division of Academic Affairs

California Polytechnic State University, Pomona

Supervisors: Juliana Fuqua, Ph.D., Faye Wachs, Ph.D., Jessica Perez, Ph.D.

- Assessed the effectiveness of University's HyFlex instructional mode for students and faculty
- Developed study materials (e.g., consent forms, surveys, structured interview protocol)
- Collected survey and interview data from more than 10 faculty and 100 undergraduate students

- Cleaned and analyzed qualitative and quantitative data
- Disseminated findings through university reports and poster presentations at conferences

Undergraduate Research Assistant

December 2022-January 2022

College of Letters, Arts, and Social Sciences

California Polytechnic State University, Pomona

Supervisors: Juliana Fuqua, Ph.D., Faye Wachs, Ph.D.

- Evaluated interdisciplinary faculty learning interventions implemented in higher education
- Transcribed and coded semi-structured interview data for about 15 faculty at the university
- Analyzed data and reported findings in conference posters and multiple conferences
- Conducted extensive literature review related to faculty learning interventions in higher education

Undergraduate Research Assistant

June 2021-August 2021

Suzanne Dworak-Peck School of Social Work

University of Southern California

Supervisor: Daniel Hackman, Ph.D.

- The Research In Virtual Environments (THRIVE) Study – Used virtual reality (VR) to examine the relationship between neighborhood environments and stress and emotions in adolescents
- Participated in pilot sessions to provide feedback on the VR system, stimuli, and clarity of instructions
- Attended several academic and professional development sessions related to graduate school and careers in research

TEACHING EXPERIENCE

Instructional Student Assistant

Spring 2021-Spring 2022

California Polytechnic State University, Pomona

- Instructional student assistant for 300+ students for the following undergraduate-level courses:
 - PSY2206 Child Psychology for Educators
 - PSY3310 Child Psychology: Early Childhood
 - PSY2210 Mind, Brain, and Behavior
 - PSY4611 Senior Symposium
- Built course webpages in Canvas and routinely updated students with assignments and announcements
- Wrote prompts for weekly discussions based on lecture and textbook content
- Graded assignments and provided constructive feedback on how to improve
- Held weekly office hours and answered any students' questions about the course, undergraduate research opportunities, and online textbook guidance
- Recorded supplemental videos on assignment instructions and challenging course topics

PUBLICATIONS

Rocha-Hidalgo, J., **Nguyen, H.**, Reis, D., Schaedig, D., Thompson, K. I., Perlman, S. B., & Pérez-Edgar, K. E. (Submitted). Parent-child neural dynamics during a stressful task: Probing associations with temperament and anxiety. *Clinical Psychological Science*.

Wachs, F. L., Fuqua, J., Nissenson, P., Miranda Barrios, D., Jones, B., **Nguyen H.**, & Nguyen, C. (2024). Community Matters: FLCs as a way to Create Sustained Relationships and Shared in Rainville, Title, & Desrochers (Eds.), *Expanding the Vision of FLCs in Higher Education: Emerging Opportunities for Faculty to Support and Engage with Each Other*. Information Age Publishers.

Perez, J., Wachs, F., Jones, B., Barrios, D. M., Gossage, L., & **Nguyen, H.** (2022). Enhancing students' outcomes in gatekeeper engineering courses through Technology-Assisted Supplemental Instruction (TASI). 2022 ASEE Annual Conference & Exposition.

Perez, J., Wachs, F., **Nguyen, H.**, Jones, B., Barrios, D. M., & Gossage, L. (2022). Supplemental Instruction to Decrease Equity Gaps in Gate-Keeper Engineering Courses (ERM). 2022 ASEE Annual Conference

& Exposition.

Nguyen, H., & Jones, B. (2022). Faculty Learning Communities (FLC): Faculty Attitudes, Experiences, and Suggestions. California State Polytechnic University, Pomona.

PRESENTATIONS

Pérez-Edgar, K. E., Rocha-Hidalgo, J., Reis, D., **Nguyen, H.,** Schaedig, D., Thompson, K. I., & Perlman, S. B. *Parent-child Neural Dynamics during a Stressful Task: Probing associations with Temperament and Anxiety.* Paper to be presented at the annual meeting of the International Society for the Study of Behavioral Development. June 2024. Lisbon, Portugal.

Perez, J., Wachs, F., **Nguyen, H.,** Jones, B., Gossage, L. *Supplemental Instruction to Decrease Equity Gaps in GateKeeper Engineering Courses (ERM).* American Society for Engineering Education 2022 Annual Conference. June 2022. Minneapolis, MN.

Nguyen, H., Jones, B., Barrios, D.M., Wachs, F., Perez, J. *Evaluation of Technology-Assisted Supplemental Instruction (TASI) on Underrepresented Minority Students Sense of Belonging.* Pacific Sociological Association Annual Conference 2022. April 2022. Sacramento, CA.

Nguyen, H., Jones, B., Hu, C., Aguilar, J., Fernandez, T. *Assessing Student Experiences in HyFlex Courses.* Cal Poly Pomona 10th Annual Research, Scholarship, Creative Activities (RSCA) Conference. March 2022.

Nguyen, H., Jones, B., Jurkevics, A., Hu, C., Aguilar, J., Fernandez, T., Perez, N., Barrios, D.M. *Exploring Student and Faculty Attitudes on the Innovative HyFlex Instructional Modality.* Southern California Conferences for Undergraduate Research 2021. November 2021.

Jones, B., **Nguyen, H.,** Barrios, D.M. *Implementing Technology-Assisted Supplemental Instruction (TASI) to Reduce Achievement Disparities for Underrepresented Minority Students in STEM.* Southern California Conferences for Undergraduate Research 2021. November 2021.

Nguyen, H., Jones, B., Jurkevics, A., Hu, C., Aguilar, J., Fernandez, T., Perez, N., Barrios, D.M. *Assessing the Impact of Faculty Learning Communities (FLC): Opportunities and Obstacles for Faculty Development.* Southern California Conferences for Undergraduate Research 2021. November 2021.

Nguyen, H. *Using Virtual Reality and Mapping to Understand the Effects of Neighborhood Disadvantage on Adolescent Emotion and Stress Reactivity.* University of Southern California Diversity, Inclusion, and Access Jumpstart Program Poster Session. August 2021.

Barrios, D.M., Soracco, L., Deng, K., **Nguyen, H.,** Jones, B., Jurkevics, A., Nguyen, C., Gupta, S., Patel, K., Perez, N. *Effectiveness of a Multidisciplinary Faculty Learning Community (FLC) on Enhancing Pedagogy in Online Learning.* Lowell Overton Undergraduate Research Symposium. April 2021.

HONORS & AWARDS

- Office of Undergraduate Research Distinction April 2022
- Weglyn Exemplary Oral Presentation Award (\$100) March 2022
- Office of Undergraduate Research Conference Award (\$200) September 2022
- Annette F. and Morton J. Blumner President's Council Scholarship (\$3500) August 2021
- Martha and Cecil Brown Endowed Scholarship in Honor of H. Schleifer (\$2000) August 2021
- Diversity, Inclusion, and Access JumpStart USC (\$5000) August 2021
- President's List- College of Letters, Arts, and Social Sciences May 2019-May 2022