

Daisy Joan T. Pua

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Educational Background

2021-2022M

Postdoctoral Associate in Special Education
Postdoctoral Supervisor: Amber Benedict (Project
Coordinate)
Arizona State University, Tempe, AZ

2015-2021

Ph.D. in Special Education
Minor in Research and Evaluation Methodology
University of Florida, Gainesville, FL

2010-2010

M.Ed. in Special Education
Unified Elementary PROTEACH Program
University of Florida, Gainesville, FL

2008-2009

B.A. in Education
Major in Elementary Education
Graduated with Honors Cum Laude
University of Florida, Gainesville, FL

Current Position

Assistant Professor, School of Education
College of Education and Professional Studies
University of West Florida, Pensacola, FL

Professional Experience

Summer 2021

Course Developer
SPE 321 (Classroom Special Education and
Assessment)
Arizona State University
Collaborated with Rebecca Gehrke

2015-2020

Graduate Assistant on Project Studying Teacher
Effectiveness, Education, and Policy (STEEP),
University of Florida
Advised by Dr. Mary Brownell

2011-2015

Special Education Teacher, Various Exceptionalities
Grades K-5, Littlewood Elementary, Gainesville, FL

University Teaching and Teacher Supervision

University of West Florida

- EDG 4442 Effective Learning Environments, Fall 2022
- EEX 3070 Methods in Inclusion and Collaboration, Fall 2022

Arizona State University

- Tel 511 Research & Evaluation in Education, Spring 2022
- Tel 532 Literacy Across the Disciplines, Spring 2022

Teaching Assistant

University of Florida

- EEX 6786 Collaborative Practice in Inclusive Schools, Fall & Spring 2018

Guest Lecturer

- EEX 3257 Core Teaching Strategies, Spring 2019
- EEX 6786 Collaborative Practice in Inclusive Schools, Fall 2019

Areas of Research Specialization:

Research Interests:

- Effective Special Education Instruction
- Teacher Evaluation Policy
- Teacher Preparation and Training
- Observation Systems
- Autism Research
- Performance Feedback

Methodological Interests:

- Scale Development & Validation
- Regression Analysis
- Multi-level Modeling
- Single-Case Design

Awards and Honors:

Recipient

Kaleidoscope Award for Best Doctoral Student Single Case Research Presentation
Kaleidoscope, TED-CEC (2019)

Recipient

Kaleidoscope Award for Best Doctoral Student Mixed Methods Research Presentation
Kaleidoscope, TED-CEC (2018)

Recipient

Teacher of the Year Award
Littlewood Elementary, Gainesville, FL (2015)

Recipient

Outstanding Graduate Professional Practice
University of Florida (2011)

Publications (*alpha authorship/ equal contribution):

Peer-Reviewed Articles

Jones, N., Bell, C., Brownell, M., Qi, Y., Peyton, D., **Pua, D.**, & Holtzman, S. (2022). Using classroom observations in the evaluation of special education teachers. *Educational Evaluation and Policy Analysis*, 44(3), 429-457

Mathews, H. M., Lillis, J. L., Bettini, E., Peyton, D., **Pua, D.**, Oblath, R., Jones, N., D., Smith, S. W., & Sutton, R. (2021). Working conditions and special educators' reading instruction for students with emotional and behavioral disorders. *Exceptional Children*. 84(4), 476-496

Peyton, D., Acosta, K., **Pua, D.**, Harvey, A., Sindelar, P., Mason-Williams, L., Dewey, J., Fisher, T., & Crews, E. (2021). State level characteristics influencing the supply and demand of special education teachers. *Teacher Education and Special Education*. 44(1), 5-23.

Pua, D., Peyton, D., Brownell, M., Jones, N., & Contesse, V. (2021). Preservice observation in special education: A validation study. *Journal of Learning Disability, Special Issue: Observations to Improve Special Educators Instruction*. 54(1), 6-19.

Leko, M.M., Roberts, C., Peyton, D., & **Pua, D.** (2019). Selecting evidence-based practices (EBPs): What works for me. *Intervention in School & Clinic*. 54(5), 286-294.

Brownell, M. T., Benedict, A., Leko, M., Peyton, D., & **Pua, D. J.** (2019). A continuum of pedagogies for preparing teachers to use high-leverage practices (HLPs). *Remedial and Special Education*. 40(6), 338-355.

Sindelar, P. T., **Pua, D. J.**, Fisher, T., Peyton, D. J., Brownell, M. T., & Mason-Williams, L. (2018). The demand for special education teachers in rural schools revisited: An update on progress. *Rural Special Education Quarterly*. 37, 12-20.

Book Chapters

Brownell, M. T., Bettini, E., **Pua, D.J.**, Peyton, D., & Benedict, A. E. (2019). Special education teacher effectiveness in an era of reduced federal mandates and increasing teacher shortages. In J. B. Crockett & B. S. Billingsley (Eds.) *Handbook of leadership and administration for special education* (pp. 333-352). New York, NY: Taylor & Francis.

Manuscripts in Progress

Pua., D., Peyton D., Brownell, M. (in preparation). Accelerating Teacher Development Through Video Analysis Using an Observation Protocol. Target Journal: *Teacher Education and Special Education*.

Peyton, D., **Pua, D.**, Brownell, M., Jones, N., Holtzman, S. (in Preparation). Explicit and Systematic Instruction across special education contexts: A generalizability study. Target Journal: *Assessment in Effective Intervention*.

Huang, K., ***Pua, D.**, & Conroy, M. A. (in preparation). The effectiveness of using touch-screen based intervention to improve social skills of children with autism: A systematic review. *Target Journal: Journal of Autism and Developmental Disorders*.

Presentations:

National

Brownell, M., **Pua, D.**, Sohn, H., & Williams, J (November 2021). Developing a classroom observation protocol for general and special education teachers. Interactive paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Fort Worth, TX.

Pua, D. & Peyton, D. (November 2019). What was your question? Recurring themes in special educators' use of questioning techniques. Panel presentation presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, New Orleans, LA.

Pua, D. (November 2019). Effects of visual performance feedback using structured observation system, to improve novice teachers' instruction. Poster presented at the annual Kaleidoscope-TED, New Orleans, LA.

Peyton, D. & **Pua, D.** (November 2018). A component of practice-based teacher education is the feedback provided to candidates to improve instruction. Interactive paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Las Vegas, NV.

Brownell, M., **Pua, D.**, Bettini, E., Jones, N., & Peyton, D. (April, 2019). Examining the role of instructional context in predicting special educators' scores on FFT. Symposium presentation at the annual meeting of the American Education Research Association, Toronto, Canada.

Peyton, D., **Pua, D.**, Brownell, M., Jones, N., & Matthews, H. (April, 2019). Instructional behaviors in question: Convergent and divergent themes of effective instruction. Symposium presentation at the annual meeting of the American Education Research Association, Toronto, Canada.

Johnson, E., Jones, N., Brownell, M., **Pua, D.**, & Peyton, D. (February, 2019). Can special education teacher observation tools lead to improvement in practice? Panel presentation at the annual Pacific Coast Research Conference, San Diego, CA.

Pua, D., Griffin, C., Peyton, D., & Brownell, M. (January 2019). Exploring Feedback Mechanisms for Preservice Teachers. Panel presentation at the Council for Exceptional Children Convention, Indianapolis, IN.

Peyton, D. & **Pua, D.** (November 2018). A component of practice-based teacher education is the feedback provided to candidates to improve instruction. Interactive paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Las Vegas, NV.

Mason-Williams, L., Acosta, K., Harvey, A., Peyton, D., **Pua, D.**, & Sindelar, P., (November 2018). Special education teacher shortages: What differentiates high shortage and low shortage states? Paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Las Vegas, NV.

Pua, D. (November 2018). Promoting peer feedback among preservice teachers using a structured observation instrument. Poster presented at the annual Kaleidoscope-TED, Las Vegas, NV.

Jones, N., Bell, C., Brownell, M., Qi, Y., Peyton, D., **Pua, D.**, Fowler, M., & Holtzman, S. (April, 2018). Using classroom observations in the evaluation of special education teachers. Paper presented at the annual meeting of the American Education Research Association, New York, NY.

Pua, D., Peyton, D., Brownell, M.T., & Jones, N. (2018). *First steps in improving preservice special education teaching: the development of a valid observation protocol*. Paper presented at the annual conference for the American Educational Research Association, New York, NY.

Huang, K., **Pua, D.**, & Conroy, M. A. (2018, February). Effective use of applications to enhance social and communicative skills for young children with autism spectrum disorders in classrooms. Paper presented at the Council for Exceptional Children Convention, Tampa, FL.

Peyton, D., **Pua, D.**, Brownell, M., & Jones, N. (February, 2018). Using evidence to improve your practice. Demonstration presented at the annual meeting of the Council for Exceptional Children, Tampa, FL.

Huang, K., **Pua, D.**, Martinez, J. R., & Conroy, M. A. (2018, January). A meta-analysis of touch-screen based interventions to improve social competence in young children with ASD. Poster presented at the 19th International Conference on Autism, Intellectual Disability & Developmental Disabilities, Clearwater, FL.

Peyton, D., **Pua, D.**, Brownell, M., & Jones, N. (November, 2017). Examining explicit, intensive instruction across professional experience and instructional contexts. Paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Savannah, GA.

Brownell, M., Jones, N., Mahdavi, J., Peyton, D., & **Pua, D.** (November, 2017). Designing and validating an observation protocol for novice special education teachers. Paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Savannah, GA.

Sindelar, P., Fisher, T., **Pua, D.**, Peyton, D., & Acosta, K. (November, 2017). How are states addressing shortage? A state-by-state context analysis. Paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Savannah, GA.

Brownell, M.T., Jones, N., **Pua, D.**, & Peyton, D. (2017, April). *Making Observations Count: An Observation Protocol for Special Education Beginning Teachers*. Presentation at the Annual Conference of the Council for Exceptional Children, Boston, MA

Peyton, D. & **Pua, D.** (2017, March). *Targeting the Teacher Education Reform Process: Examining a Special Education Preservice Program Improvement Grant*. Presentation at the American Council on Rural Special Education 36th Annual Meeting, Asheville, NC.

Pua, D. & Peyton, D. (2017, March). *Raising the Bar on Teacher Preparation: Validating the Preservice Observation Instrument for Special Education*. Presentation at the American Council on Rural Special Education 36th Annual Meeting, Asheville, NC.

Pua, D., Peyton, D. Crews, E., Fisher, T., & Harvey, A. (2016, November). *Personnel Preparation Grants as a Mechanism for Coupling: An Analysis of the 325T Grant Components*. Presentation at the Annual Meeting of the Teacher Education Division, Council for Exceptional Children, Lexington, KY.

Hart, Barnett, J. E. & **Pua, D.** (2016, November). *Using Visual Supports to Teach Science Discourse to Students with Autism Spectrum Disorder*. Presentation at the Annual Meeting of the Teacher Education Division, Council for Exceptional Children, Lexington, KY.

Crews, E. Peyton, D., **Pua, D.**, Fisher, T., & Harvey, A. (2016, October). *Personnel Preparation Grants as a Mechanism for Coupling: An Analysis of the 325T Grant Components*. Presentation at the Annual Meeting of the Florida Association of Teacher Educators, St. Leo, FL.

Brownell, M., Peyton D., & **Pua, D.** (2016, April). *Validating the Danielson Framework for Teaching for Special Education Teachers: First Steps from Research*. Presentation at the Annual Conference of the Council for Exceptional Children, St. Louis, MO.

Local

Pua, D., Reese, T., Sohn, H., Benedict, A., (2021, February). *Using Online Assessment Tools and Their Impact on Student Learning*. Presentation at the annual Arizona State Conference of the Council for Exceptional Children, Virtual Conference.

Peyton, D., & **Pua, D.**, (2017, April). *Being Curious: How we entered into a Project on Special Education Teacher Effectiveness*. University of Florida Professional Seminar.

Pua, P., Peyton, D., & Brownell, M. T. (2017, March) *Cultivating Meaningful Observations: Development of Preservice Observation Instrument for Special Education (POISE)*. 2nd Annual College of Education Research Symposium: Strengthening Dialogue through Diverse Perspectives.

Harvey, A., Peyton, D., **Pua, D.**, Crews, E., & Fisher, T. (2016, March). *An analysis of Personnel Preparation RFAs through the lens of scale*. Roundtable Presentation at the College of Education Research Symposium: Fostering Dialogue, University of Florida, Gainesville, FL.

Pua, D. (2015, December). *Discourse on Assessment of Students with Disabilities*. Poster Presentation at the Annual Special Education Research to Practice Symposium, University of Florida, Gainesville, FL.

Grants & Funded Projects

Peyton., D., **Pua, D.**, Brownell, M., & Jones, N. *Preservice Observation in Special Education: A Validation Study (Project POISE)*. July 1, 2020-June 30, 2024. Institute of Education Science (\$1,400,000). Role: Project Coordinator. Competitive/refereed. (Submitted August 2019, **NOT Funded**).

Professional Activities and Membership

American Educational Research Association (AERA)

- Division K Teaching and Teacher Education
- Division H Research, Evaluation, and Assessment in Schools
- Classroom Observation SIG
- Special and Inclusive Education Research SIG

The Council for Exceptional Children (CEC)

- Teacher Education Division (TED)
- Council of Administrators of Special Education (CASE)
- Division for on Autism and Developmental Disabilities (DADD)
- Division for Research (CEC-DR)

TASH: Equity, Opportunity and Inclusion for People with Significant Disabilities

Journal Reviewer:

Teacher Education and Special Education (Editorial Board)

Journal of Autism and Developmental Disorders

Exceptionality

Conference Reviewer:

American Education Research Association

Council of Exceptional Children Conference

Teacher Education Division of the Council of Exceptional Children

Grant Proposal Reviewer:

CEEDAR/ California Council of Teacher Educators Mini-Grant Competition, 2018.

Service and Volunteer Work

Campus Liaison for American Educational Research Association Division K Teaching and Teacher Education

Moderator of a multi-presentation session at CEC St. Louis, MO