

Matthew Pacailler

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pacaillerportfolio.com

## Curriculum Vitae

### Education

**Ph.D. in Human Factors Psychology** 2019-2025

*Old Dominion University, Norfolk, VA*

GPA: 3.96

Dissertation: *Not Right Now: Factors Affecting Interruption Decisions in a Healthcare Paradigm*

**M.A. in Psychological Research** 2015-2017

*Texas State University, San Marcos, TX*

GPA: 4.0

Thesis: *Interpersonal Attraction as a Function of Attitude Similarity and Aggression*

**B.A. in Psychology** 2010-2013

*William Paterson University, Wayne, NJ*

GPA: 3.67

**A.A. in Psychology** 2008-2010

*Sussex County Community College, Newton, NJ*

GPA: 3.70

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### Professional Experience

**Research Data Coordinator I** Feb 2018 - Jun 2019

*The US Oncology Network, Austin, TX*

- Collected, processed, and ensured quality control of clinical trial data
- Managed monitoring and auditing activities by resolving queries

**Master Data Specialist I** Jun 2017 - Dec 2017

*Wesco Aircraft, Austin TX*

- Constructed SQL queries for extensive database management
- Identified and analyzed database gaps to ensure data completeness

**Intern – Human Factors** Oct 2016 - May 2017

*MDH Human Factors LLC, Austin TX*

- Human Factors Engineering/Usability Engineering Practitioner specializing in formative and summative evaluation of medical devices and combination products

**Resident Assistant**

Jun 2012 - Jul 2015

*SCARC, Augusta, NJ*

- Assisted individuals with developmental disabilities in group homes
- Administered medications, scheduled medical appointments, and maintained daily records

**Research Assistant – Audiovisual Lab**

Sep 2010 - May 2013

*William Paterson University, Wayne, NJ*

- Worked on Autism Metric of Emotional Experience (AMEE) for early autism diagnosis
  - Organized and programmed experimental stimuli
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**Consultation Work****Virtual Patient Consultant**

Sep 2023 - April 2025

*Yale University, Remote*

- Assisted in the development of a virtual patient training tool intended to increase sensitivity when communicating with marginalized patients
- Conducted data analysis comparing virtual and standardized patients
- Performed literature review of effective communication styles
- Created measures used for data collection

**Simulation Center Consultant**

Dec 2021 - April 2025

*Eastern Virginia Medical School, Norfolk, VA*

- Collaboration with a local hospital on various research projects
- Created job aids for simulation technicians
- Measured the efficacy of prototype sonography devices
- Evaluated the reliability of standardized patient ratings
- Developed products for healthcare simulation use

**Psychology Department Website Consultant**

Feb 2022 - Mar 2022

*Old Dominion University, Norfolk, VA*

- Project report delivered to Old Dominion University evaluating their psychology website
- Conducted heuristic evaluation, card sorting, and end-user evaluation
- Suggested website implementations based on human-centered methodologies

**Telemetry Consultant**

Jun 2021 - Oct 2021

*Sentara Hospital, Norfolk, VA*

- Project report delivered to Sentara Hospital evaluating their telemetry system
  - Used human error identification methods to predict potential errors
  - Visualized alarm data using Tableau
  - Comprehensive literature review of telemetry systems
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**Teaching Experience****Graduate Teaching Assistant – Quantitative Methods Lab**

Sep 2019 - May 2022

*Old Dominion University*

- Provided instruction for a Quantitative Methods psychology lab
- Developed course material and structure to better student learning during the COVID-19 pandemic
- Maintained online office hours to assist students with queries

**Graduate Teaching Assistant – Introduction to Statistics Lab**

Sep 2016 - May 2017

*Texas State University*

- Provided instruction for Introduction to Statistics Lab for undergraduate students
- Created and graded SPSS projects, quizzes, and assignments, recorded grades, and returned assignments
- Developed instructional material such as course website and class syllabus

**Graduate Instructional Assistant**

Aug 2015 - May 2016

*Texas State University*

- System Administrator for SONA – Human subject recruitment software
  - Managed a database of over 2000 human subjects each semester
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**Publications & Presentations**

Pacailier, M. & Scerbo, M. W. Hold on, I'm busy: The decision-making process preceding interruptions. *Manuscript under review*.

Pacailier, M. G., Ball, R., Hirst, B., & Scerbo, M. W. (2024). Not Right Now: Factors Affecting Interruption Decisions in a Healthcare Paradigm. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 68(1), 1685-1689.

- Pacailleur, M., Ashdown, A., Powers, S., Ball, R., Perry, K., & Scerbo, M. W. (2023). Live vs. Video Skill Assessments in Healthcare: Are the formats comparable? In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 67(1), 2323-2328.
- Perry, K., Pacailleur, M., & Scerbo, M. W. (2022). The Impact of Natural Visual Interruptions and Cueing on Detecting Changes in Dynamic Scenes. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 66(1) 1240-1244.
- Pacailleur, M., Yahoodik, S., Sato, T., Ammons, J. G., & Still, J. (2022). Human-centered artificial intelligence: Beyond a two-dimensional framework. In *International Conference on Human-Computer Interaction*, 471-482.
- Powers, S. A., Perry, K. N., Ashdown, A. J., Pacailleur, M., & Scerbo, M. W. (2021). Human factors considerations for patients: a cursory review of telehealth guidelines. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 65(1), 943-947.
- Pacailleur, M., Davis, J., & Tooley, K. (2016). Interpersonal Attraction as a Function of Attitude Similarity and Aggression. Talk presented at the annual meeting of the Southwestern Psychological Association, Dallas, TX, April 8th.
- Pacailleur, M., Davis, J., & Tooley, K. (2016). Interpersonal Attraction as a Function of Attitude Similarity and Aggression. Invited talk presented at Texas State University, San Marcos, TX, April 1st.
- Gordon, M. S., Pacailleur, M., & Learmonth, A. (2013). Autism Metric of Emotional Experience (AMEE). Poster presented at the annual meeting of the Eastern Psychological Association, New York, NY, March 2nd.
- Gordon, M.S., Edewaard, D., & Pacailleur, M. (2013). Time-to-Arrival discrimination of multiple sound sources. Poster presented at the International Congress on Acoustics, Montreal, Canada, June 6th.
- Gordon, M.S., Edewaard, D., & Pacailleur, M. (2013). Time-to-Arrival discrimination of multiple sound sources. *POMA*, 19(1), 050144. doi: 10.1121/1.4800214.
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## Laboratory Skills

- Human factors methods: Task analysis, human error identification, and accident analysis and risk assessments.
  - Hierarchical Task Analysis (HTA), Goal, Operators, Methods and Selection Rules (GOMS), Cognitive Work Analysis (CWA), Applied Cognitive Task Analysis (ACTA), Cognitive Walkthrough, The Systematic Human Error Reduction and Prediction Approach (SHERPA), Use Failure Mode and Effects Analysis (uFMEA), The Situation Awareness Global Assessment Technique (SAGAT), The National Aeronautics and Space Administration Task Load Index (NASA-TLX)

- Interface Analysis Methods: Heuristic analysis, card sorting, system usability scale contextual interviews, interface surveys, and checklists
  - Experimental design: Usability, basic, and applied research
  - Univariate and multivariate statistics: MANOVA, ANOVA, path analysis, factor analysis, t-tests, regression, and non-parametric tests
  - Software applications: SPSS, R, SAS enterprise, SQL, Figma, Tableau, Qualtrics, Microsoft Office, Google Forms
  - Qualitative analysis training
  - Scheduling/management of participants
  - Literature searches
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## RELEVANT GRADUATE COURSEWORK

- Human Factors Methods
  - Sensation and Perception
  - Human-Computer Interaction
  - Human Cognition
  - Health and Patient Safety
  - Regression
  - Univariate Statistics
  - Multivariate Statistics
  - Research Methods & Experimental Design
  - Grant and Manuscript Writing
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## Certifications

**Human Factors Psychology Modeling & Simulation Certificate**

2021

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## Honors and Awards

- HFES Student Chapter Gold Certification 2022, 2023, 2024
- Magna Cum Laude 2013

- Graduated with Honors 2010
  - Phi Theta Kappa Honor Society 2010
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## Involvement

### **President – ODU HFES Student Chapter**

Sep 2021 - May 2024

- Hosted meetings with subjects tailored to increasing human factors knowledge and learning applied skills favored in industry
- Promoted awareness of human factors to undergraduates through social media, newsletters, and in-class recruitment
- Provided funding for students to attend the HFES International Annual Meeting
- Recruited guest speakers from academia and industry to present research and career advice for student members
- Collaborated with the psychology department and student clubs to set up annual donation drives

### **President – Psychology Club**

Sep 2011 - May 2012

- Organized volunteer events supporting individuals with developmental disabilities
- Led seminars on postgraduate career planning