Van Rynald T. Liceralde

CURRICULUM VITAE

Nashville, TN, USA

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Employment

Postdoctoral Researcher *Nashville, TN*
VANDERBILT UNIVERSITY, PEABODY COLLEGE *2022-present*
Advisors: Duane G. Watson, PhD and Emily Phillips-Galloway, EdD

Collegiate Associate (Researcher) *Princeton, NJ*
EDUCATIONAL TESTING SERVICE, NATURAL LANGUAGE PROCESSING TEAM *2017-2020*

Administrative Assistant *St. Louis, MO*
ST. LOUIS LANGUAGE IMMERSION SCHOOLS, SPANISH SCHOOL *2012-2014*

Education

PhD Cognitive Psychology *(Formal concentration in quantitative psychology)* *Chapel Hill, NC*
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL *2021*
An algorithm for classifying mislocated first-pass fixations in reading
Advisor: Peter C. Gordon, PhD

MA Cognitive Psychology *Chapel Hill, NC*
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL *2018*
Consequences of power transformations in linear mixed-effects models of chronometric data
Advisor: Peter C. Gordon, PhD

BS Psychology *(Honors)*, **BA Philosophy** *St. Louis, MO*
SAINT LOUIS UNIVERSITY *2014*
Summa cum laude

ATENEO DE MANILA UNIVERSITY *Quezon City, Philippines*
2009-2010

Honors and Awards

2021	**Honorable mention for Innovation in Equity and Inclusivity Service Award**; DEPT OF PSYCH AND NEURO; UNC-CHAPEL HILL, NC
2020	**Diller-Gilligan Summer Research Fellowship**; THE GRADUATE SCHOOL; UNC-CHAPEL HILL, NC
2019	**Departmental Undergraduate Teaching Commendation**; DEPT OF PSYCHOLOGY AND NEUROSCIENCE; UNC-CHAPEL HILL, NC
	Dashiell Student Travel Award; DEPT OF PSYCHOLOGY AND NEUROSCIENCE; UNC-CHAPEL HILL, NC
2017	**J. Frank Yates Student Conference Award**; PSYCHONOMIC SOCIETY
2014	**James D. Collins Award for Excellence in Student Academic Achievement (Psychology)**; COLLEGE OF ARTS AND SCIENCES; SLU, MO
	Psi Chi Research Award; PSI CHI (HONOR SOCIETY IN PSYCHOLOGY); SLU, MO
	Dean's List (for 9 semesters); SAINT LOUIS UNIVERSITY, MO
	Saint Louis University Mission Grant; CAMPUS MINISTRY; SLU, MO
2013	**Knoedler Undergraduate Research Fund**; COLLEGE OF ARTS AND SCIENCES; SLU, MO
2012	**Great Lakes National Scholarship Award**; GREAT LAKES EDUCATIONAL LOAN SERVICES
2011	**Daniel A. Navarro Memorial Award**; FILIPINO-AMERICAN ASSOCIATION OF MISSOURI IN ST. LOUIS, MO
	Jesuit Transfer Scholarship; SAINT LOUIS UNIVERSITY, MO

Research

US Engagement (Marwood Group) *New York, NY*
GRADUATE RESEARCH INTERN, DATA ANALYTICS TEAM *2021*

Educational Testing Service *Princeton, NJ*
GRADUATE RESEARCH INTERN, NATURAL LANGUAGE PROCESSING TEAM *2017*

Saint Louis University *St. Louis, MO*
RESEARCH ASSISTANT *2012-2014*
- 2012-2014   Cognitive Neuroscience of Stress Laboratory; *Advisor: Tony W. Buchanan, PhD*
- 2012-2013   Applied Self-Control Laboratory; *Advisor: Brandon Smit, PhD*

University of South Carolina *Columbia, SC*
RESEARCH INTERN, NSF SUMMER RESEARCH EXPERIENCE IN BRAIN AND COGNITIVE SCIENCES *2013*
Advisor: Fernanda Ferreira, PhD

Colorado State University *Fort Collins, CO*
RESEARCH INTERN, NSF RESEARCH EXPERIENCE FOR UNDERGRADUATES: SUMMER PROGRAM ON MIND AND BRAIN *2012*
Advisor: Matthew G. Rhodes, PhD

Preprints

1. **Liceralde, V.R.T.** & Gordon, P.C. *Consequences of power transformations as a statistical solution in linear mixed-effects models of chronometric data*. https://doi.org/10.31234/osf.io/f73mh

Manuscripts

1. Waldren, L.H., Leung, F.Y.N., Hargitai, L.D., Burgoyne, A.P., **Liceralde, V.R.T.**, Livingston, L.A., & Shah, P. (2024). Unpacking the overlap between autism and ADHD in adults: A multi-method approach. *Cortex*, *173*, 120-137. https://doi.org/10.1016/j.cortex.2023.12.016
2. **Liceralde, V.R.T.**, Loukina, A., Beigman Klebanov, B., & Lockwood, J.R. (2022). Beyond text complexity: Production-related sources of text based variability in oral reading fluency. *Journal of Educational Psychology*, *114*(1), 16–36. https://doi.org/10.1037/edu0000532
3. Sitzman, D.M., Rhodes, M.G., Tauber, S.K., & **Liceralde, V.R.T.** (2015). The role of prior knowledge in error correction for younger and older adults. *Aging, Neuropsychology, and Cognition*, *22*(4), 502-516.

Conference Proceedings

1. Beigman Klebanov, B., Loukina, A., Lockwood, J.R., **Liceralde, V.R.T.**, Sabatini, J., Madnani, N., Gyawali, B., Wang, Z., & Lentini, J. (2020). Detecting learning in noisy data: The case of oral reading fluency. In *Proceedings of the 10th International Conference on Learning Analytics and Knowledge (LAK '20)*. Frankfurt, Germany.
2. Loukina, A., **Liceralde, V.R.T.**, & Beigman Klebanov, B. (2018). Towards understanding text factors in oral reading. In *Proceedings of the Human Language Technology Conference of the North American Association of Computational Linguistics (HLT-NAACL)*. New Orleans, LA. *PDF*

Products

1. **Liceralde, V.R.T.** & Burgoyne, A.P. (2023). Squared tasks of attention control for jsPsych (Version 1.0.0) [Computer software]. https://doi.org/10.5281/zenodo.8313315
2. Loukina, A., Beigman Klebanov, B., Sabatini, J., & **Liceralde, V.R.T.** Systems and methods for evaluating and selecting reading passages for oral reading fluency assessment. US Patent application 16/045,112, Docket No. 011948-1456-999 filed on 25 July 2018.

Presentations

1. **Liceralde, V.R.T.** & Watson, D.G. (November 2023). *Individual differences drive half of observed variability in self-paced reading response times*. Poster presented at the 64th Annual Meeting of the Psychonomic Society. San Francisco, CA.
2. Watson, D.G., Pearson, E., **Liceralde, V.R.T.**, & Lai, W. (November 2023). *Word perception across regional dialects: Processing the pin-pen merger*. Paper presented at the 64th Annual Meeting of the Psychonomic Society. San Francisco, CA.

3. Pearson, E., **Liceralde, V.R.T.**, Lai, W., & Watson, D.G. (September 2023). *Stick a pen in it: Greater phonological competition in speakers with the pin-pen merger during eyetracking*. Poster presented at the 29th Architectures and Mechanisms for Language Processing Conference. San Sebastian, Spain.

4. **Liceralde, V.R.T.** & Watson, D.G. (March 2023). *Typical psycholinguistic designs require more items to detect reliable individual differences in focal linguistic effects*. Poster presented at the 36th Human Sentence Processing Conference. Pittsburgh, PA.

5. **Liceralde, V.R.T.** & Watson, D.G. (November 2022). *Typical psycholinguistic experiments require more items to detect reliable individual differences in focal linguistic effects*. Paper presented at the 63rd Annual Meeting of the Psychonomic Society. Boston, MA.

6. **Liceralde, V.R.T.** (October 2022). *Psycholinguistics as a problem space for quantitative psychologists*. Talk presented at the Quantitative Methods Forum of the Quantitative Psychology Program at Vanderbilt University's Department of Psychology and Human Development. Nashville, TN.

7. **Liceralde, V.R.T.**, Beigman Klebanov, B., Loukina, A., & Lockwood, J.R. (April 2019). *Measuring the effect of textual features on children's oral reading performance*. Paper presented at the 2019 National Council on Measurement in Education Annual Meeting. Toronto, ON, Canada.

8. **Liceralde, V.R.T.** & Gordon, P.C. (March 2018). *Power transforms distort interaction patterns in mixed-effects analyses of chronometric data*. Poster presented at the 31st CUNY Conference on Human Sentence Processing. Davis, CA.

9. **Liceralde, V.R.T.** & Gordon, P.C. (February 2018). *Power transforms distort interaction patterns in mixed-effects analyses of chronometric data*. Paper presented at the 2018 North Carolina Cognition Conference. Chapel Hill, NC.

10. **Liceralde, V.R.T.** & Gordon, P.C. (November 2017). *Consequences of power transformations on trial-level analyses of chronometric data*. Poster presented at the 58th Annual Meeting of the Psychonomic Society. Vancouver, BC, Canada.

11. **Liceralde, V.R.T.**, Lim, J.H., & Ferreira, F. (March 2017). *Working memory and word frequency relate to offline ambiguity resolution by influencing prosody*. Poster presented at the 30th CUNY Conference on Human Sentence Processing. Cambridge, MA.

12. **Liceralde, V.R.T.** & Gordon, P.C. (March 2017). *Consequences of power transformations on trial-level analyses of chronometric data*. Poster presented at the 2017 North Carolina Cognition Conference. Greensboro, NC.

13. **Liceralde, V.R.T.** & Gordon, P.C. (November 2015). *Individual differences and corpus-driven differences in frequency effects on word recognition*. Paper presented at the 56th Annual Meeting of the Psychonomic Society. Chicago, IL.

14. **Liceralde, V.R.T.**, Lim, J.H., Nye, J., Gwara, I., & Ferreira, F. (February 2015). *Overt prosody clarifies the relationship between attachment preference and working memory*. Poster presented at the 2015 North Carolina Cognition Conference. Elon, NC.

15. **Liceralde, V.R.T.** & Abell, A. (April 2013). *Self-efficacy and motivation due to performance feedback counteract ego depletion*. Poster presented at Saint Louis University's 10th Annual Psychology Capstone Symposium. St. Louis, MO.

16. **Liceralde, V.R.T.**, Toth, M.J., & Wang, L. (April 2013). *Influence of the self-reference effect on test performance*. Poster presented at Saint Louis University's 10th Annual Psychology Capstone Symposium. St. Louis, MO.

17. **Liceralde, V.R.T.**, Sitzman, D.M., & Rhodes, M.G. (August 2012). *Gosh I knew that: Prior knowledge, but not confidence, predicts older adults' error correction*. Poster presented at Colorado State University's Summer Program on Mind and Brain Symposium. Fort Collins, CO.

Teaching

CenterStat *(by Curran-Bauer Analytics)* · *Durham, NC*
WORKSHOP CONSULTANT · *2022-2023*
- Consulted and assisted for livestream workshops on applied data analysis and research methods
  - 2022 Multilevel Modeling, Applied Qualitative Research
  - 2023 Multilevel Modeling, Longitudinal Structural Equation Modeling

Univesity of North Carolina at Chapel Hill · *Chapel Hill, NC*
GRADUATE TEACHING ASSOCIATE · *2014-2021*
- Consulted and graded for the following graduate courses in quantitative psychology:
  - Multilevel Modeling *(2 semesters)*

TEACHING ASSOCIATE
- Taught weekly 1-3 hour lab/discussion/review sections of the following undergraduate courses:
  - Statistical Principles of Psychological Research *(6 semesters; 1 summer session)*
  - Laboratory Research in Psychology *(1 semester; 1 summer session)*

INSTRUCTIONAL ASSISTANT
- Consulted, graded, and gave guest lectures for the following undergraduate courses in psychology:
  - Sensation and Perception *(2 semesters)*
  - Introduction to Psychology *(1 semester)*
  - Cognitive Science *(1 semester)*
  - Cognitive Psychology *(1 semester)*

GRADUATE RESEARCH CONSULTANT
- Consulted for research projects for the following undergraduate courses:
  - Predictive Analytics in Sport *(2 semesters)*

Skills

Natural languages	Tagalog *(native)*, English *(fluent)*, Ilocano *(listening and reading proficiency)*, German *(B1; intermediate)*
Programming/computing languages	R, SPSS, SAS, SQL, Stata, Python, MATLAB, HTML5
Experiment building software	jsPsych, OpenSesame, E-Prime
Coursework	Linear regression, multilevel/mixed-effects modeling, structural equation modeling, growth curve modeling, data visualization, time-series analysis, Bayesian statistics, machine learning

Service

Univesity of North Carolina at Chapel Hill — *Chapel Hill, NC*

DIVERSITY AND EQUITY LEADERSHIP COMMITTEE, DEPT OF PSYCHOLOGY AND NEUROSCIENCE — *2020-2021*
- 2020-2021   Member, Communications and Transparency Subcommittee
- 2020-2021   Member, Graduate Student Recruitment and Retention Subcommittee

COGNITIVE PROGRAM GRADUATE STUDENT REPRESENTATIVE, DEPT OF PSYCHOLOGY AND NEUROSCIENCE — *2018*

GradMAP Philippines — *Philippines*

VOLUNTEER MENTOR — *2020-present*
- An international network of scientists mentoring Filipinos applying for graduate studies around the world

Ad hoc Reviewer
- Behavior Research Methods, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory, and Cognition, Journal of Memory and Language

References

Peter C. Gordon, PhD
PROFESSOR, PSYCHOLOGY AND NEUROSCIENCE
University of North Carolina at Chapel Hill
pcg@email.unc.edu

Duane G. Watson, PhD
FRANK W. MAYBORN CHAIR IN COGNITIVE SCIENCE
ASSOCIATE PROVOST, FACULTY DEVELOPMENT
PROFESSOR, PSYCHOLOGY AND HUMAN DEVELOPMENT
Peabody College, Vanderbilt University
duane.g.watson@vanderbilt.edu

Daniel J. Bauer, PhD
DIRECTOR, L.L. THURSTONE PSYCHOMETRIC LABORATORY
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