Natasha Robin Vernooij

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Education and Honors

Ph.D. Psychology, University of Michigan [In Progress]   *May 2024*
    Cognition and Cognitive Neuroscience (CCN) concentration
    Advisor: Julie E. Boland
B.S. Psychology, University of North Carolina at Chapel Hill, 3.775 GPA   *May 2019*
    Bachelor of Science in Psychology with distinction, 3.8 GPA
    Bachelor of Arts in Hispanic Linguistics, 3.95 GPA
    Minor in Statistics and Analytics
    Honors: Honors Carolina Laureate; Carolina Research Scholar; Dean's List (6 semesters)

Research Experience

Graduate Student Researcher; Psycholinguistics Lab   *Aug. 2019 – present*
Dr. Julie Boland, University of Michigan
    My research focuses on bilingual cognition and how bilinguals reconcile conflicts between their mental grammars. I employ research methods such as corpus analyses, eye tracking, and lexical decision tasks to study English, Spanish, and Dutch.

Research Assistant; Carolina Affective Science Lab   *May 2016 – May 2019*
Dr. Kristen Lindquist, UNC-CH
    Investigate children's emotion word acquisition, emotional priming and physiological responses, and bilingual emotion word interactions.

Independent Researcher; Language, Cognition, and Brain Lab   *Jan. 2018 – May 2019*
Dr. Peter Gordon, UNC-CH
    Develop and implement a simulation of retinitis pigmentosa (RP) for individuals with normal vision and investigate how to improve text navigation.

Group Member; Design and Interpretation of Psychological Research   *Aug. 2018 – Dec. 2018*
Dr. Viji Sathy, UNC-CH
    Apply knowledge of psychological research to a current problem: work with UNC's Makerspace to optimize their trainings and increase user retention.

Intern; Bergelson Lab   *May 2018 – Aug. 2018*
Dr. Elika Bergelson, Duke University
    Determine environmental influences on language acquisition and language variability. Convert lab protocol into comprehensive training instructions and manage participant database.

Research Fellow; Tolerance in the Marketplace of Ideas Fellowship   *Aug. 2017 – May 2018*
Dr. Kurt Gray & Dr. Chelsea Schein, UNC-CH
    Understand social tolerance and determine if tolerance can be increased in the political realm.

Teaching Experience and Training

Graduate Student Instructor
Psychology Department, University of Michigan
    Introduction to Cognitive Psychology with Dr. Thad Polk, 25 students   *Jan. 2020 – April 2020*
    Introduction to Cognitive Psychology with Dr. Nick Ellis, 75 students   *Aug. 2020 – Dec. 2020*

Graduate Student Instructor Teaching Orientation *Jan. 2020*

Center for Research on Learning and Teaching, University of Michigan

> An orientation that presents new graduate student instructors with difficult classroom experiences and tips on how to build an inclusive and supportive learning environment.

Teaching Academy *Aug. 2019 – April 2020*

Psychology Department, University of Michigan

> A course designed to prepare graduate students for teaching at the University of Michigan through explanations of best practices and expectations.

Outreach and Diversity, Equity, and Inclusion Leadership

University of Texas- El Paso (UTEP) Virtual Flipped Science Fair *Aug. 2020*

UTEP Psychology Department and University of Michigan CCN Area

> I initiated a virtual flipped science fair and information session to expose undergraduates at UTEP to different types of psychological research, discuss ways to get involved with research, and how to create a successful graduate school application. I helped organize with the UTEP Psychology Department, recruited Ph.D. students, post-docs, and faculty for a 3 hour seminar, and moderated the live event.

#shutdownstem and Beyond *June 2020 – present*

CCN Area, University of Michigan

> Requested and encouraged that CCN meet to talk about diversity, equity, and inclusion measures within CCN. Participated in various meetings to make the area more inclusive and supportive of minority colleagues, and helped develop measurable goals for the area. Compiled and disseminated resources on racism in academia, how to be a better ally, and academic opportunities for minority colleagues. Received departmental recognition of efforts via the informal departmental 'Thumby Award'.

Anti-racist Curriculum Design *Aug. 2020 – present*

Psych 121: How We Talk with One Another, class at University of Michigan

> With financial support from Dr. Julie Boland's *Reckoning with Racism* microgrant awarded by the Association for Psychological Science, I am creating course content to contextualize the enslavement history of the founding of the University of Michigan, racist psychological measures and researchers, and the many forms of language policing. These materials will be available to other instructors for future use.

Mentoring Experience

Undergraduate Research Opportunity Program (UROP) Mentor

UROP, University of Michigan

> Tiernan Mackela, Yaozong (Frank) Huang, Ignacio Barreras *Aug. 2019 – April 2020*
> Sydney Kelly *Sept. 2020 – April 2021*

High School Student Mentor *April 2020 – Aug. 2020*

Psycholinguistics Lab, University of Michigan

> Recruited a high school junior to work as a research assistant in the lab. Mentored them on psycholinguistic research methods and led weekly workshops on topics such as creating a CV, applying to jobs, applying to undergraduate institutions, and preparing for college.

Poster Presentations

Vernooij, N., and Boland, J.E. (2020, June). *Grey manchas: codeswitching when grammars do not align.* Poster presented at the IMPRS Conference: Interdisciplinary Approaches in the Language Sciences, Nijmegen, the Netherlands.

Becker, J.L., Hartsock, J.T., Ka, B.A., Sullivan, K.A., and **Vernooij, N.** (2018, May) *Trigger-Happy at the Polls? Party Inconsistency and its Influence on Political Tolerance.* Poster presented at the annual North Carolina Psychological Association Poster Session, Chapel Hill, NC.

Selected Workshops & Certifications

Power Analyses and Simulations in R

Andrew Jessop, Max Planck Institute for Psycholinguistics   *June 2020*

   A workshop focused on estimating statistical power and sample size requirements for different experimental designs, using real world examples and data.

Visualizing Data with ggplot

Laurel Brehm, Max Planck Institute for Psycholinguistics   *June 2020*

   A workshop that explores how to create different types of graphs with R's ggplot and the messages that you convey with varying visual representations of your data.

Training Course in fMRI

Functional MRI Laboratory, University of Michigan   *Aug. 2019*

   A two-week intensive training course on fMRI physics and how to design, implement, and analyze data from fMRI experiments.

University Service

Cognition and Cognitive Neuroscience Area Forum Speaker Introductions   *Aug. 2019 – April 2020*
Cognition and Cognitive Neuroscience Social Committee   *July 2020 – April 2020*

Skills and Experience

   Data & Coding: SAS, SPSS, TypeScript, R
   Technical: Electrocardiogram analysis, eye tracking, CLAN, Datavyu, Trier Social Stress Test, linguistic coding, corpus analysis
   Creative: Audacity, Photoshop, WondaVR, HP Reveal
   Fluent in English, Spanish, and Dutch