An Nguyen

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EDUCATION

Johns Hopkins University
Ph.D. in Cognitive Science **2019 – present**
M.A. in Cognitive Science **2018 – 2019**

Truman State University
B.S. in Psychology and Cognitive Science, Minor in Statistical Methods. *Valedictorian.* **2013 - 2017**

RESEARCH EXPERIENCE:

Graduate Researcher, LANGUAGE ACQUISITION LAB, JOHNS HOPKINS UNIVERSITY **2018 – present**

- First project: *Investigating auxiliary acquisition in wh-question production*
  - Methods: Computational linguistics employing a Variational Model of Language Acquisition and a tri-gram language model with modified Kneser-Ney smoothing.
  - Investigated children's acquisition of wh-questions using corpus data.
- Second project: *Distinguishing among in-situ wh-questions in English*
  - Methods: Theoretical syntax, experimental syntax and corpus analysis.
  - Proposed an account for linguistic phenomena at the syntax-discourse interface.
  - Paper under review. Poster accepted for the LSA conference.
- Third project: *The acquisition of wh-questions*
  - Methods: Behavioral experiments with children.
  - Investigated the relationship between syntactic variation and language acquisition.

Lab Manager, LANGUAGE ACQUISITION AND BRAIN LAB**,** UNIVERSITY OF DELAWARE **2017 – 2018**

- Conducted research on language acquisition, statistical learning, brain organization of language development using behavioral and neuro-imaging techniques.
- Lead programmer for 4 computer-based experiments.
- Lead web developer for the lab's online platform for visual and auditory statistical learning.
- Managed the lab's database and workflow and supervised 3 undergraduate research assistants
- 1 paper currently under review. 6 posters accepted for conferences.

Research Assistant, EEG LAB, TRUMAN STATE UNIVERSITY **2016 – 2017**

- Conducted research on human perceptual processes such as audio-visual integration and cortical activity using EEG.

APA Summer Undergraduate Research Scholar, TEXAS A&M UNIVERSITY **Summer 2016**

- Conducted research on Cognition & Cognitive Neuroscience, using a combination of different methods including meta-analysis, neuroimaging (fMRI), brain stimulation (tDCS) to study the aging brain.

TEACHING/MENTORING EXPERIENCE:

Teaching Assistant, DEPARTMENT OF COGNITIVE SCIENCE, JOHNS HOPKINS UNIVERSITY **2019 – present**

- Courses: Language and Advertising; Language and the Mind; Syntax

Statistical Consultant, CENTER FOR APPLIED STATISTICS & EVALUATION **2015 – 2017**

- Analyzed statistical data for several student projects, research projects, and faculty grants.
- Assisted clients in other aspects such as designing surveys and experiments, leading focus group, submitting IRB, writing statistical reports.
- Led a team of 3.

Peer Mentor, CENTER FOR ACADEMIC EXCELLENCE **2015 – 2017**

- Mentored first-year students and helped design their coursework.

Grader and Tutor, STATISTICS DEPARTMENT, TRUMAN STATE UNIVERSITY **2015 – 2017**

Academic Trainer, STEP SCHOLARS PROGRAM **2016 – 2017**

- Tutored STEM subjects, including Computer Science, Mathematics, and Statistics.

AWARDS

- Science of Learning Fellowship from the Science of Learning Institute **2020 – 2021**
  Awarded for my multidisciplinary approaches to learning and cognition.
- Graduate student travel award **Spring 2020**
- President's List x 8 semesters **2013 - 2017**
- Dorothy Pearson Foundation Scholarship **2016**
  Scholarship for outstanding students in Statistics.
- Harold L. Hess and Ozella M. Hess Foundation Scholarship **2015**
  Scholarship for outstanding students in overall academic performance.
- President's Honorary Scholarship **2013**
  Scholarship for outstanding incoming students.

SKILLS:

Programming Skills: Java, JavaScript, Python, MATLAB, R
Languages: Vietnamese (native), English (fluent), Chinese (conversational)

RELEVANT COURSEWORK

Computational Linguistics: Computational Linguistics; Computational Psycholinguistics

Linguistics: Introduction to Linguistics; Syntax I; Semantics I; Logic;

Cognitive Science: Language Acquisition; Language and the Mind; Language and Thought; Human and Computer Cognition; Cognitive Science;

Computer Science: Introduction to Computer Science; Foundations of Computer Science II; Object-oriented programming and design; Foundations of Neural Networks

PUBLICATIONS

PAPERS

1. **Nguyen, A.,** & Legendre, G. (2020). Covert movement in English probing wh-questions. In *Proceedings of Linguistic Society of America 2020 Annual Meeting*. 5(1). 180-186.

MANUSCRIPTS UNDER REVIEW

1. **Nguyen, A.** & Legendre, G. *The syntax-information structure interface: a case of English wh-questions.*
2. Schneider, J., Arnon, I., **Nguyen, A.**, Mendez, K., & Qi, Z. *The relationship between statistical learning and prior language experience.*
3. Bernard J.A., **Nguyen A.**, Hausman H.K., Maldonado T., Ballard H.K., Eakin S.M., Lokshina Y., Goen J.R.M. *Shaky Scaffolding: Age Differences In Cerebellar Activation Revealed Through Activation Likelihood Estimation Meta-Analysis.*

CONFERENCE PRESENTATIONS

1. **Nguyen, A.,** Howe, W., & Legendre, G. (2020). English-speaking children's acquisition of wh-in-situ. Poster at *Generative Approaches to Language Acquisition North America 6*. Reykjavík, Iceland.
2. Weng, Y.L, **Nguyen, A.,** Ryskin,R., & Qi, Z. (2020). Prediction and sentence ambiguity resolution: A simultaneous eye-tracking and EEG study. Poster at *33rd Annual CUNY Human Sentence Processing Conference*, Amherst, MA.
3. Schneider, J., Arnon, I., **Nguyen, A.**, Medez, K., & Qi, Z. (2019). Does prior language experience hinder statistical learning? Poster presented at *Boston University Conference on Language Development*, Boston, MA.
4. Schneider, J., Weng, Y., Kozloff, V., **Nguyen, A.**, & Qi, Z. (2019). Neural sensitivity to speech distribution information underlise statistical learning. Poster presented at *Neurobiology of Language*, Helsinki, Finland.
5. Qi, Z., **Nguyen, A.**, Ozernov-Palchik, O., Beach, S., May, S., Arciuli, J., & Gabrieli, J.D.E. (2018). Statistical learning in reading development and reading impairment. Poster presented at *Boston University Conference on Language Development*, Boston, MA.
6. **Nguyen, A.**, Sanchez Araujo, Y., Georgan, W., Arciuli, J., & Qi, Z. (2018). Re-examine the reliability of statistical learning tasks across domains and modalities. Poster presented at *Psychonomic Society Annual Meeting*, New Orleans, LA.
7. Kozloff, V., **Nguyen, A.**, Arciuli, J., & Qi, Z. (2018). Statistical learning in a noisy environment is associated with vocabulary. Poster presented at *Boston University Conference on Language Development*, Boston, MA.
8. Mendez, K., **Nguyen, A.**, Kozloff, V., & Qi, Z. (2018). The role of native language in statistical learning success. Poster presented at *University of Delaware's ninth annual Undergraduate Research and Service Scholar Celebratory Symposium*, Newark, DE.

TALKS

1. **Nguyen, A.** & Kozloff, V. Statistical learning and language. Invited talk presented at the Experimental Group Meeting at the Department of Linguistics and Cognitive Science, University of Delaware, Newark, DE. December 2017.