

BENJAMIN NGUYEN

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EDUCATION

Ph.D. — Cognitive and Information Sciences Aug. 2020 – June 2025
University of California, Merced Merced, CA

B.A. with Honors — Psychology Aug. 2015 – May 2019
Grinnell College Grinnell, IA

EXPERIENCE

Data Analyst Intern June 2022 – Aug 2022 (40 hrs/week)
National Institute of Health, All of Us Research Program Remote

- Wrote analysis pipeline for uncovering racial differences in an accessibility survey, adaptable to any sample
- Analyzed researcher demographics and connected data to NIH funding records, showing AoU workbench user-base is more diverse than general academic population

Behavioral Data Science Intern June 2019 – Aug 2019 (40 hrs/week)
mPulse Mobile Los Angeles, CA

- Implemented machine learning techniques (SVM, NLP) using Python, Git, Tableau, and JIRA
- Co-authored publication by writing Introduction and Results sections, cleaning and visualizing data for follow-up study on prescription medication adherence.

Research Assistant Aug. 2015 – April 2020 (10 - 40 hrs/week)
Grinnell College Grinnell, IA

- Led juvenile recidivism risk assessment project, yielding multiple poster presentations and manuscript
- Analyzed student mental health, enrollment, and demographic data for University of Michigan stakeholders

Research Department Intern June 2017 – Aug. 2017 (40 hrs/week)
ACT, Inc. Iowa City, IA

- Reviewed literature on socio-emotional learning skills and mapped Theory of Action for SES Summit
- Participated in 3-day product design workshop and delivered company-wide presentation

Teaching Assistant Fall 2018, Fall 2020 – Spring 2025 (20 hrs/week)
UC Merced & Grinnell College Merced, CA & Grinnell, IA

- Assisted with 11 courses including Cognitive Science, AI, Neuroscience, and Psychology

PUBLICATIONS

Nguyen, B., Spivey, M. J. (2023). Temporary disruption in language processing reflected as multiscale temporal discoordination. *Journal of Multiscale Neuroscience*, 2(1), 251-272.

Falandays, J. B., **Nguyen, B.**, Spivey, M. J. (2021). Is prediction multi-scale pattern completion of the future? *Brain Research* 1768(1):e147578.

Prayaga, R. B., Agrawal, R., **Nguyen, B.**, Jeong, E., Noble, H., Paster, A., and Prayaga, R. S. (2019). Impact of social determinants on AI text messaging solution refill requests. *JMIR Mhealth Uhealth*, 7(11):e15771.

SKILLS & AWARDS

Technical: Advanced: Python, MATLAB, R | Intermediate: C++, Java, C#, HTML, CSS

Languages: English (Native), Vietnamese (Conversational)

Awards: NSF Graduate Research Fellowship Honorable Mention (2020, 2022), Dean's List (2017-2019)

LEADERSHIP

Co-Chair, Cognitive Science Graduate Student Group (2022-2023)

Internal Communications Officer, Graduate Student Association (2021-2022)

Internal Vice President, Graduate Student Association (2020-2021)