



# LUKE DUBEC

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## EDUCATION

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2019 – 2023 | B.S. Psychology

- Purdue University | West Lafayette, IN
- Major: Brain and Behavioral Sciences | Minor: Spanish | John Martinson Honors College
- GPA: 3.40 | Major GPA: 3.54

2015 – 2019 | High School Diploma

- Fishers High School – Fishers, IN
- GPA: 4.22 (weighted)

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## RESEARCH EXPERIENCE

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July 2023 – Present | Dr. Nancy Dennis

- As a lab manager, I recruit participants, analyze fMRI data, and assist undergraduate researchers in lab procedures.

August 2022 – May 2023 | Dr. Yu-Chin Chiu

- I assist Dr. Chiu in her new venture to conduct EEG research. Working alongside graduate student, Moon Sun, we are collecting EEG data while participants complete cognition tasks. I have been trained as a secondary MRI operator to assist in Dr. Chiu's MRI research as well.

August 2021 – May 2023 | Dr. Daniel Foti

- In Dr. Foti's lab I conduct research using EEG; our studies include investigating environmental risk of psychosis and examining participants with autism. I also assisted in the pilot remote EEG study that allowed us to measure brain activity of families from anywhere across the country. During the summer of 2022, I assumed a lab manager role where I was responsible for participant outreach and scheduling.

February – May 2021 | Dr. Yu-Chin Chiu

- I worked alongside graduate student, Corey Nack, to run participants in a task switching and reaction time test. In this role, I was able to recruit and manage participants independently and familiarize myself with the subject recruitment process.

February – May 2021 | Dr. Amanda Seidl

- This lab retrieved audio data from infants and as a research assistant, I sorted the clips based on the number of syllables and the use of vowels to determine a link with Fragile-X Syndrome.

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## WORK EXPERIENCE

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July 2023 – Present | Penn State University | Lab Manager | State College, PA

- As a lab manager, I recruit participants, analyze fMRI data, and assist undergraduate researchers in lab procedures.

August 2020 – June 2022 | Purdue University | Resident Assistant | West Lafayette, IN

- Compiled abilities of leadership, communication, conflict management, and project organization to create a safe and happy environment for the people that live in the dormitory.

Summer 2020 & 2021 | Fishers Parks and Recreation | Summer Camp Counselor | Fishers, IN

- Used project planning skills to create a curriculum of fun and educational activities for campers ages 4-12. Leadership, communication, and conflict management abilities were crucial to make a fun and safe environment for the children at camp.

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## PUBLICATIONS

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Galvez-Ortega, K., Khoo, E., Dubec, L., Foti, D., South, S. The effect of time, arousal, and Major Depressive Disorder on the late-positive potential. *Manuscript in preparation.*

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## PRESENTATIONS

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Dubec, L., Khoo, E., Galvez-Ortega, K., Neo, W., Foti, D., & South, S (April, 2022). *The Association between the Late-Positive Potential (LPP) and lifetime history of depression (MDD)*. Poster presented at the Undergraduate Research Conference and Psychology Undergraduate Research Conference at Purdue University, West Lafayette, IN.

Dubec, L., Nack, C., Chiu, Y. (April 2023). *Enhancing Cognitive Flexibility by Offering Performance-Noncontingent Rewards*. Poster presented at the Psychology Undergraduate Research Conference and Celebrate Conference at Purdue University, West Lafayette, IN.

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## HONORS & SCHOLARSHIPS

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2022 | Office of Undergraduate Research Scholarship | Purdue University

2019 | Trustee's Scholarship | Purdue University

2019 – 2021 | Dean's List | Purdue University

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## TRAINING

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2023 | fMRI Image Acquisition and Analyses Course with SPM and ICA