

# Phillip A. Angelos

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## Education

**Michigan State University** | East Lansing, MI  
Bachelors of Science in Psychology, with Honors  
Minors in History & Peace and Justice Studies

*Aug. 2019 - May 2023*  
*3.81 GPA, 3.93 Major GPA*

## Research Interests

I am interested in the intersection of artificial intelligence and psychological/medical research. More specifically, the application of methodologies such as deep learning and generative AI. I plan to implement and improve upon these methodologies to develop better software to increase translational value and bridge theoretical insights through machine learning.

## Research Experience

Post-Graduate Assistant | Yale Powers Lab | New Haven, CT *July 2023 - Present*

- Collaborated with a Yale graduate student to design and optimize a Spherical Convolutional Neural Network (SCNN) integrating [DeepSurv](#) for sMRI data analysis, leveraging voxel-based morphometry to predict psychosis conversion in high-risk populations.
- Developed research tasks across JavaScript, Python and MATLAB - created a custom Python Script to automate participant data formatting for NIH/NIMH grant compliance.
- Led MRI and EEG data collection sessions, implementing preprocessing pipelines to ensure data integrity.
- Administered, scored, and reviewed SCID and SIPS clinical interviews.

Undergraduate RA | The Beliefs Systems Lab | East Lansing, MI *Feb. 2022 - May 2023*

- Co-led the development of experimental materials for a replication and extension study of Pennycook et al.'s (2018, JEP:G) seminal work on prior exposure effects in fake news perception.
- Analyzed and processed over 500 open-ended survey responses to examine everyday worries, contributing to a study on the intersection of perceived threats and political attitudes.
- Contributed to the development of materials for a PhD thesis investigating the theory of group blame for historical atrocities, including designing a tailored vignette to serve as task stimuli.

Undergraduate RA | Pride and Envy Project | East Lansing, MI *Mar. 2022 - May 2023*

- Optimized daily diary data collection through Qualtrics, ensuring survey administration and resolved technical challenges to streamline automated sample acquisition.
- Conducted data cleaning and analysis using Python and Jasp, implementing quality control measures to flag incomplete or suspect responses.
- Recruited participants from leading Michigan universities, such as the University of Michigan and Wayne State University.

## Teaching Experience

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PSY200 | Michigan State University | East Lansing, MI

Aug. 2022 - Dec. 2022

- Conducted in-person office hours, supporting students with lecture notes, content review, and assignment progress.
- Prepared and delivered mini lectures on cognitive psychology concepts, focused on decision-making and cognitive control.

PSY235 | Michigan State University | East Lansing, MI

Jan. 2023 - May 2023

- Provided comprehensive student support through online office hours, assisting with course material and academic skill development.
- Graded closed- and open-response coursework using established rubrics.

## Awards, Honors, & Memberships

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- Dr. Lauren Harris PSY Scholarship (\$2000 award) Dec. 2022
- MSU Greek Life All-Around Spartan Award Nov. 2022
- Psi Chi National Honors Society Member
- Order of Omega Honors Society Member
- Michigan State University Dean's List Sep. 2021 - May 2023

## Publications & Presentations

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**Angelos, P.**, Palmer, W, Powers, A., Cannon, T. (2024). *Spherical Convolutional Neural Networks and DeepSurv: Deep Learning and Predictions in CHR-P*. [In preparation].

**Angelos, P. A.**, Epie, B., Mourgues-Codern, C., Powers, A. (2024). *Understanding the Mediating Influence of Control between Thought Suppression and Symptom Severity*. [Manuscript in preparation]. Department of Psychiatry, Yale University

Albert Powers; **Phillip A. Angelos**; Alexandria Bond; Emily Farina; Carolyn Fredericks; Jay Gandhi; Maximillian Greenwald; Gabriela Hernandez-Busot; Gabriel Hosein; Megan Kelley; Catalina Mourgues; William Palmer; Julia Rodriguez-Sanchez; Rashina Seabury; Silmilly Toribio; Raina Vin; Jeremy Weleff; Scott Woods; David Benrimoh (2024) *A computational account of the development and evolution of psychotic symptoms* [In Press]

## Skills & Certificates

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Languages: **English, Spanish**

Programming: **Python**, R, NetLogo, JavaScript, Julia, CUDA, MATLAB

Applications: Qualtrics, REDCap, SPSS, **Photoshop**, Bridge, Illustrator, Premiere Pro

## Extracurriculars

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- Psi Chi, Michigan State University Chapter Treasure
- Immortals E-Sports Social Media and Marketing Intern
- Inter-fraternity Council, Vice President of Communications
- Psychology Club Member
- Sigma Pi Fraternity Member
- MSU League of Legends Player and Coach
- MSU Intramural Sports Referee
- Lake Orion Flag Football Commissioner

- Lake Orion Special Olympics Coach