

YI-SHIN SHEU

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Summary of Qualifications

- Research Scientist with a background in cognitive psychology and 14+ years of experience in conducting human cognitive-behavioral research, aiming to bring psychological and behavioral science perspectives to user experience research.
- Skilled at determining and applying proper qualitative and quantitative methods to study human behavior.
- Dependable and organized team player with the ability to communicate research results and related opportunities in a clear, succinct, and compelling manner to audiences of all levels.

Experience

Postdoctoral Researcher

Oct 2015 - present

Cognitive Neuroscience, Neurology Dept, Johns Hopkins School of Medicine. Baltimore, MD.

- Developed and executed over 20 scientific research projects focused on human cognition and behavior, leading to 5 peer-reviewed articles, 2 conference talks, and successful grant renewal.
- Managed and mentored teams of 3 – 5 research assistants on an annual basis, supporting laboratory operations from research development, execution, to reporting.
- Worked closely with the team's contracted engineer on the design of several custom-built research devices for our laboratory use by providing user insights and testing feedback.
- Programmed task interface and performed data processing, analyzing, and visualizing in MATLAB, Python, and SPSS.

Graduate Researcher.

Sep 2009 - Sep 2015

Psychological and Brain Sciences, Johns Hopkins University. Baltimore, MD.

- Conducted research focused on mechanisms of cognitive control. Able to identify significant research questions based on existing literature and designed appropriate research strategies to uncover meaningful scientific results that drive further research. Generated 3 publications and 15+ conference/departmental talks and posters.
- Learned and successfully applied unconventional machine-learning techniques on brain data, thereby revealing novel and valuable mechanistic insights that otherwise would not be known via conventional methods.

Research Specialist.

Jun 2006 - Apr 2009

Developmental and Biopsychiatry Research Program, McLean Hospital. Belmont, MA.

- Managed an imaging database of 250+ human participants and wrote BASH and MATLAB scripts to streamline data processing and analysis, resulting in enhanced laboratory productivity.
- Regularly presented project status, findings, and insights to team members and stakeholders.

Education

Ph.D. in Psychological and Brain Sciences, Johns Hopkins University. Baltimore, MD.	2015
B.S. in Psychology, National Taiwan University. Taipei, Taiwan.	2006