Huanfeng Yeh

(617) 671-5300 • yeh.hua@northeastern.edu

EDUCATION

MS in Computer Science   **2023**
Northeastern University, Khoury College of Computer
BS in Electrical Engineering   **2021**
National Changhua University of Education, Taiwan

RESEARCH EXPERIENCE

Research Project   August 2024 – December 2024
Exploring the Perspectives of Graduate Students on Generative AI Chatbots in Educational Contexts.
Northeastern University: CS7170 Seminar Artificial Intelligent

- Collaborated with a team of three to investigate the use of generative AI chatbots, such as ChatGPT and Google Bard, in educational environments as part of a class research project.
- Conducted semi-structured interviews with graduate students to explore how AI chatbots influence educational tasks and the students' understanding of the technology's limitations.
- Designed a user interface prototype incorporating features such as concise responses and multimodal questioning.
- Analyzed interview data using thematic analysis to identify common challenges and expectations regarding AI chatbots.
- Assisted in writing and presenting the final research report and project presentation.

Research Project   January 2024 – May 2024
Cognitive Games & Focus – Investigating the Impact of Sudoku
Northeastern University:CS6350 Empirical Research Methods

- Completed a mixed-methods research project investigating the impact of playing cognitive games, such as Sudoku, on focus and cognitive performance.
- Developed a within-group experimental design, administering cognitive focus assessments to participants, and collecting weekly survey data on their focus levels.
- Applied statistical analysis methods, including Wilcoxon Signed-Rank, Friedman Test, and Spearman's Rank Correlation, to evaluate the relationship between game play and focus improvement.
- Presented findings and suggestions for improving data collection methods and participant engagement in future studies.