

In front of undergraduate EECS course:

Good afternoon students, I am Yu Huang, a graduate student in the CSE department. I am conducting an fNIRS-based study of software engineering to understand how the human brain works during software development and maintenance. This study is among the first to investigate how the brain represents software development tasks.

The study will have participants complete data structure manipulation and mental rotation tasks. while wearing an fNIRS cap so we can assess how similar or different data structure manipulation is from mental rotation.

I am looking for participants who have the fundamental understanding of data structures, such as lists, arrays and trees, as equivalent to the completion of EECS280 and EECS281. There will be no coding tasks. You must be willing to undergo a 60 minute assessment while wearing an fNIRS cap, which requires sitting still for an extended period of time. The entire study will take around 90 minutes including gathering consent, setting up, training, and questionnaires.

You will be compensated \$50 for your time. You can stop anytime during the scanning and still receive \$20.

Please email me at yhhy@umich.edu and take a flyer if you are interested or have questions. Thank you.