

# In EECS 183? I WANT YOU



for a **PROGRAMMING**  
**HUMAN STUDY**

Are you enrolled in **EECS 183**? Have you **never programmed before**? Do you want to participate in training that may help with your programming ability? Do you want to earn up to \$260?

## Study Details

- Total time commitment:
  - 2hs a week for 11 weeks
  - Optional fNIRS scans (+3 hrs)
- Compensation: \$220-\$260 (\$10 per hour)
- Will receive training for either **spatial reasoning** or **technical reading ability**
- Visit <https://forms.gle/F7X9HnrhARitTqLj7> or email Madeline Endres ([endremad@umich.edu](mailto:endremad@umich.edu)) to sign up or learn more

# Our Hypothesis:

**What:** non programming-based training may transfer to improved programming ability!

**Why:** researchers have found that training on one task can transfer to another task that shares the same brain regions!

**We want to test this for computer science: we are running a 11-week study where we provide the training and you get paid to take it**

**This study will take 2 hours a week for 11 weeks  
You will be paid \$10 an hour!**



# Who can participate?

**Anyone currently enrolled in EECS 183 and who doesn't have prior programming experience.**

If you are unsure if your experience counts, **fill out the google form anyways!**

Participation **will not directly affect your EECS 183**

However, we hypothesize that our training  
**may transfer to programming ability!**



# Study Timeline

**Week 1:** Study Pre-tests (2 hrs) - Starts Week of January 25th

- Optional fNIRS scan

**Weeks 2-10:** Training sessions (2 hrs per week)

- You will randomly be assigned into either the **technical reading** or **spatial reasoning** groups
- All training sessions will be held in the BBB

**Week 11:** Study Post-tests (2 hrs) - Ends Week of April 13th



# fNIRS Subgroup



- Gives a more **indepth** look at the **cognitive processes** behind learning to program
- Those in this group will be **compensated an additional \$40** (\$20 per scan)
- There are **40 fNIRS slots** available – filled by first-come-first-serve



## Next Steps: Sign up!

Please fill out the google form at <https://forms.gle/F7X9HnrhARitTqLj7> or by using the QR code. We will reach out to you within 3 days with additional information and logistics.

If you have any additional questions, please email Madeline Endres (me!) at [endremad@umich.edu](mailto:endremad@umich.edu)

