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"There's no right answer"

open-ended discussion and interpersonal skills in computing classrooms

Training TAs in Computing Courses 1. have technical skills

Training TAs in Computing Courses

- 1. have technical skills
- 2. will get experience

Training TAs in Computing Courses

- 1. have technical skills
- 2. will get experience
- 3. need interpersonal
 skill support

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goal: increase sense of belonging in computing courses for
all students

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Back of the envelope numbers (Fall 2022):

DS 2000 - 480 students, 42 TAs, 2 professors

CS 2500 - 773 students, 90 TAs, 6 professors

The primary location of one-on-one interaction is happening between students and TAs.

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Computing courses don't typically focus on developing interpersonal skills.

Professors in computing typically teach classes where activities and prompts have a specific, set answer.

The primary location of one-on-one interaction is happening between students and TAs.

More welcoming TAs \rightarrow more welcoming environment \rightarrow more humanists with technical skills, computer scientists with interpersonal skills

Train the TAs (<u>https://cic.northeastern.edu/ta-training/</u>)

Khoury hires ~700 TAs a semester

Training program focuses on interpersonal skills with technical grounding

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Initial results:

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> Introduction to intersectionality

 this is the module that has received the most positive feedback from TAs in the training

Okay, but what does this have to do with ethics and AI?

Integrating Ethics in NLP

Also relies on computing students' "soft" skills 1. Homework with ethics questions

Integrating Ethics in NLP

Also relies on computing students' "soft" skills

- 1. Homework with ethics questions
- 2. Lectures on bias and ethics in NLP

CS 4120: Natural Language Processing (HW 1 - essay)

"what is a word" and "how big is my vocabulary?"

- 1. Students write their answers
- 2. Students read the essay answer that ChatGPT produced given the same prompt
- 3. Students critique ChatGPT's response
- 4. Students make an argument for whether or not ChatGPT should be allowed as a citable resource

Should ChatGPT be allowed as a citable resource?



Pedagogy of Large Language Models



Pedagogy of Large Language Models



Pedagogy of Large Language Models

