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Confirmation for ColCSE Conference (May 21)

Liz Boese <Elizabeth.Boese@colorado.edu>

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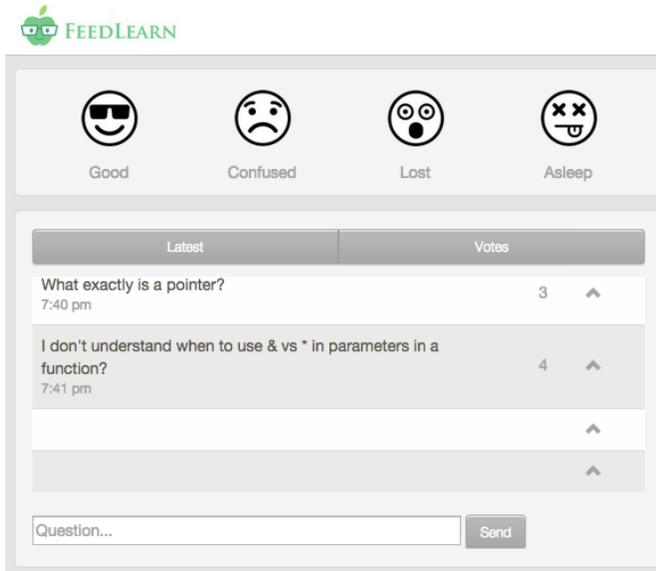
Hi!

Excellent conference yesterday, I am so thankful for Chris and CSU for putting this together!

Some things that came up that many of you may want to check out:

Grace Hopper Conference (graceHopper.org) The women who went with CU-Boulder last year thanks to a Zayo corporate sponsorship put together a video of their experience which you can view here: <https://youtu.be/1-2AWVErcfs>

I've also attached our SIGCSE paper on **interview grading**.**Auto-grading programming assessments** for Moodle - Code Runner <http://coderunner.org.nz/>My **TEDx talk** "The Internet Has Killed Education as We Know It" is: <https://youtu.be/B1AiU7yAyOg>**In class feedback** from students including how they feel about understanding the concepts and the questions from students with up-voting. - <http://feedlearn.com/>



Good online book types or helpful learning sites

- Zyante has textbooks, though a little light on content, with interactive exercises you can get grades for
- RuneInteractive - self-supported open-source but you put in your content (lots of up-front work)
- Khan Academy - students LOVE this and use as a supplement (or instead of the textbook)

Forming groups, get at least 2 women in each group

- catme.org

High schools getting students (and females) interested in taking CS in HS

Talk to Kyle Hirsch at Rangeview High School in Denver, I was on one of their panels, ask them more details.

His email is: KMHIRSCH@aps.k12.co.us

CS1 Homework variety examples (feel free to ask me for the full assignment details if interested):

HW 1: Calculate Football passer rating statistics with real quarterback stats

HW 2: Use the info on the following real power company's website and calculate power rates

<http://www.oru.com/energyandsafety/electricdelivery/powerfactor/calculatingpowerfactor.html>

HW 3: Dungeon game

HW 4: Calculate election voting results from a file

Project 1: Use real-world DNA data files and determine their risk for Type-2 Diabetes and genetic privilege for losing weight based on either diet or exercise or both.

HW 8: Mimic the ELIZA program

HW 9: Encrypt/Decrypt via Caesar Cipher

HW 10: Netflix recommendation challenge

Project 2: Create your own project (or provided default project) with: [list of requirements such as at least 2 loops, 3 conditionals, 2 classes, etc.]

Stuff that I want more information on

- peer instruction - after HW due, give students rubric and they grade other students and themselves. How exactly did you do this and/or examples of rubrics and then how did you do their final grades based on the peer grades?

- How can I help teach in high schools the STEM physics/geometry thing (Stu Crawford) and how else can I get involved?

- How do you handle people arguing their grades? I found waiting until the end of the semester they will

argue EVERYTHING, so I have 2 checkpoints in the semester for HW 1-4, Labs 1-5 etc. CSU mentioned you have 2 weeks to argue then you cannot. (Chris Wilcox) Do you hold true to these deadlines or let it slide when a student comes to you if (a) it was graded incorrectly or (b) graders did not submit it correctly into the LMS or other problem or.... ? I feel guilty holding to the deadline for arguing for incorrect grades, but I couldn't handle them waiting until the last minute either.

- Is CSU's auto-grading open-source or available for others to use?

- People mentioned 'horror stories' from female TAs with harassment. I am experiencing that too with my TAs and myself. I love the "go to HR model - hostile work environment". Any other ideas?

- Anyone have re-usable examples of multiple groups working on different parts a big project that they then need to get to work as a whole class (using github, continuous integration, etc.?)

Thank you everyone for a most inspirational and productive day!

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On 5/12/15 4:24 PM, Chris Wilcox wrote:

[Quoted text hidden]

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