Welcome to LS 591!

Agenda

- Pizza + Ice Breaker!
- Course Overview
- Departmental Values
- Activity & Discussion
- Discord Access, GitHub Accounts

Tell us about yourself

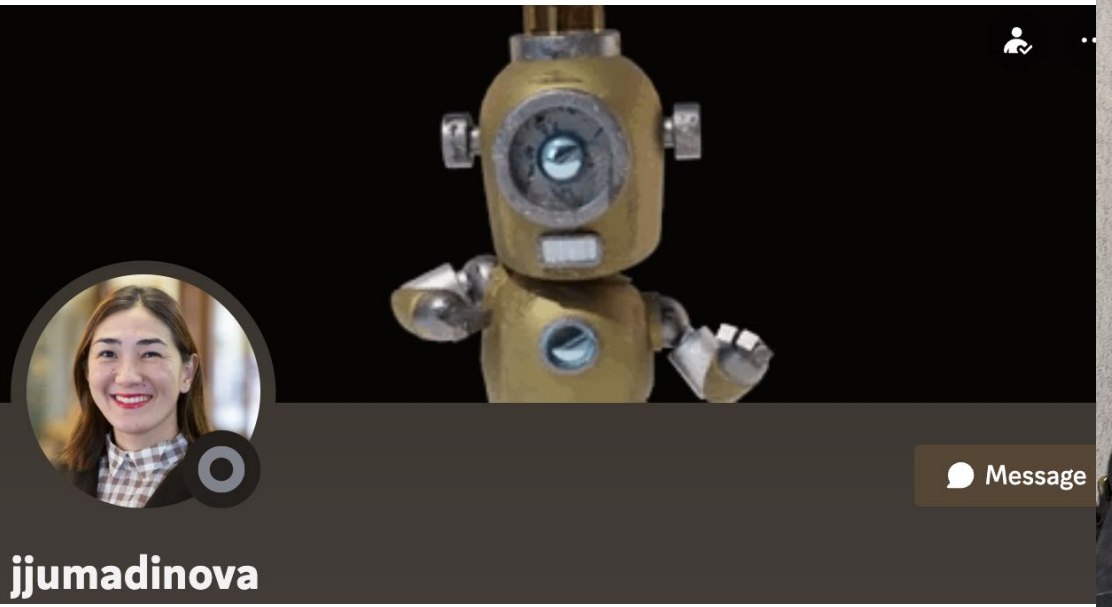
Name

Song that you would like to listen to

Favorite ice cream flavor

random fun fact?

Guest Spotlight!



Course Overview

LS 591 - Computational Skills and Problem Solving

Course Overview

- 2 credits, pass/fail
- This course is a hands-on, activity-based study group for developing skills related to computers and computational thinking
- It is imperative to attend class because a majority of activities take place in class, collaboratively
- There are only 5 meetings after today after Friday iTea

LS 591 - Computational Skills and Problem Solving

The benefits of participating include

- reviewing or learning how to organize and find files on your computer
- reviewing or learning tricks for troubleshooting computer problems
- reviewing and practicing problem-solving skills
- reviewing and practicing algebra-based logic
- guaranteed slot in CMPSC 100 next semester
- one extra homework token for CMPSC 100

LS 591 - Computational Skills and Problem Solving

Check the Syllabus for detailed information on

- Instructor office hours
- Course Schedule
- Policies

Grading

Credit/No Credit. Grades will be determined based on participation. Participation includes attendance, asking questions in class, completing in-class group activities, completing individual work outside of class such as writing short reflections weekly.

Absences

Due to the short nature of the course, more than 1 absence will automatically result in a failing grade except in extenuating circumstances. Please talk to the instructors if you have further questions.

LS 591 - Computational Skills and Problem Solving

Activities for the course involve:

- Estimating the unknowable
- Filing video game characters
- Typing songs + racing on Wikipedia
- Learning about your future @ Blue & Gold Panel Talk!
- Making PB&J sandwiches + following a campus scavenger hunt
- Competing in a computational jeopardy for a prize

Departmental Values

WE ARE TECHNICAL

We aim to achieve competence and excellence in technical knowledge, its applications, and effects.

WE ARE INCLUSIVE

We provide an inclusive community environment which invites and celebrates diversity of experience, thought, and belief.

ALLEGHENY COLLEGE

DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE

WE ARE ETHICAL

We make decisions rooted in the principles of equity and justice, focusing on the greater good of our communities.

WE ARE RESPONSIBLE

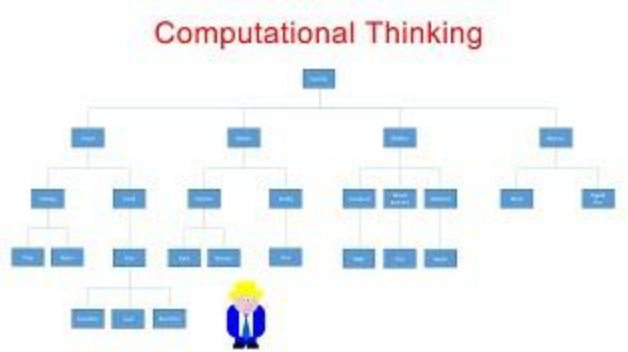
We honor commitments and take responsibility for our actions and outcomes.

OUR SHARED VALUES

Activity

Approaching Problems with Computational Thinking

video url: https://www.youtubeeducation.com/watch?v=dHWmnayy8MY



Estimating the Unknowable

Group Activity

Navigate to Week1-ApproachingProblems/activity-estimation/ in GitHub

Acronym Challenge

Group Activity

Navigate to Week1-ApproachingProblems/activity-acronym/ in GitHub

Discussion

Strategies for estimation?

Strategies for problem solving?

Hope to see you next week!

Create bookmarks in your browser for the Discord + GitHub page for LS 591

- https://discord.com/channels/877320365825749002/1277712021944537101
- https://github.com/allegheny-college-ls-591-fall-2024

N.b. the 5pm deadline on Sept 10 (2024) for adding or dropping for 14-week and “Module A” 7-week courses for all students