CIT 5920

Recitation 1
August 30, 2024

Agenda

- TA introductions [10 mins]
- Speed networking [35 mins]
  - Meet 3-min with 10 students
  - Series of questions to guide conversation
  - Get to know many people
- Hand-Raised Study Habits Survey [5 mins]
  - Learn who works in compatible way to you
  - This will help you form study groups
- Demo of LaTeX Overleaf [15 mins]
  - Creation of template, compilation
  - Tool for all homeworks
- Math puzzlers [25 mins]

TA INTRODUCTIONS

Staff list

Professor Jérémie Lumbroso

TAs:
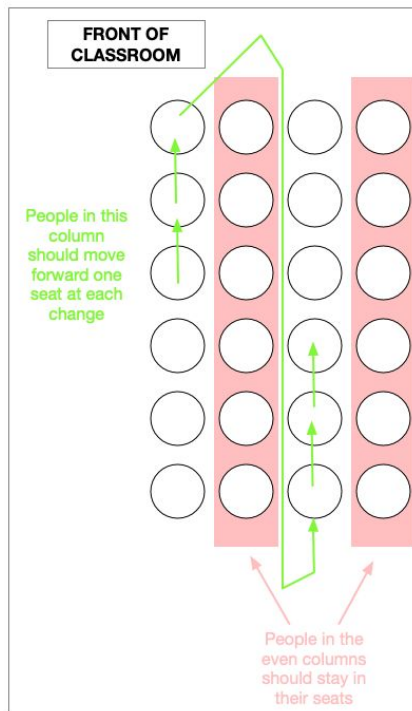
Dennis Zhang + Tiffany Gao
Shutong Jiang
Ethan Lin

SPEED NETWORKING

Speed networking: **Get To Know Your Peers!** [35 mins]

- **Pair Up:** Find a partner and prepare to share.
  - People in even column, stay in same seat
  - People in odd column, move one in front, and circle back
- **3-Minute Intros:** Discuss academic backgrounds, interests, and more.
- **Switch & Repeat:** After 3 minutes, find a new partner and start again.
  - **Repeat 10 times**
- **Benefits:**
  - Meet multiple peers quickly.
  - Discover shared interests and backgrounds.
  - Foster a collaborative classroom environment.
  - Lay the foundation for future study groups and partnerships.

FRONT OF CLASSROOM

People in this column should move forward one seat at each change

People in the even columns should stay in their seats

Speed Networking Script (suggested, pick questions you like)

"What drew you to the MCIT program?"

"Do you have any prior experience with math or computer science?"

"What's one non-academic thing you're passionate about?"

"If you could collaborate on a project, what topic or problem would you want to tackle?"

"What's a unique skill or perspective you bring to this course?"

"How do you handle challenging problems or concepts?"

"What's your favorite way to decompress after a tough study session?"

"Do you have any study habits or routines that work well for you?"

HAND-RAISED STUDY SESSION SURVEY

Study Habits Survey [10 mins]

- **Finding people with MATCHING STUDY HABITS helps find compatible collaboration partners**
- TA will slowly ask each question, like "Preferred Study Time"
- For each possible answer
  - TA will ask all people with this preference to raise **and hold** their hand **up**
  - TA pauses (10-20 secs) and asks everybody to look around
- Continue to next possible answer
- Once everyone has answered, pause and then continue to the next question

Students: Take note of people with your similar preferences

Preferred Study Time:
- Morning
- Afternoon
- Evening
- Late Night

Study Environment:
- Quiet Library
- Coffee Shop
- Group Study Room
- Outdoors

Study Methods:
- Flashcards
- Summarizing Notes
- Teaching the Material to Someone Else
- Practice Problems

Group Study Preference:
- Prefer studying alone
- Prefer studying in small groups (2-3 people)
- Prefer larger study groups

Focus Duration: How long can you study before needing a break?
- Less than 30 minutes
- 30 minutes to 1 hour
- 1-2 hours
- More than 2 hours

LaTeX DEMO

LaTeX and Overleaf [15 mins]

- LaTeX is a system to write documents with mathematical notations
- We will use it for all homework assignments
- We use **Overleaf**, runs in the cloud (like Google Docs but for math)
- We will provide **a template for each homework assignment**, to ensure your submissions proper format

Today, we are just showing you how to use Overleaf.
We will provide more help.

Some LaTeX basics

Special Characters:
- The backslash '\' denotes commands or escape special characters
- The dollar sign '$' is used to enter or leave inline math-mode
- The percent '%' sign is used to comment the remainder of the line
- Curly braces '{}' are used to tell LaTeX that "these things belong together"

- Import packages using the \usepackage{packagename} command

- Structure of ".tex" document:
  - Preamble: packages, macros, general info about document (i.e. title, author, etc.)
  - Document body: enclosed in \begin{document} … \end{document} tags

DEMO

DEMO of how to

- login to Overleaf
- use a template,
- compile,
- download PDF,
- modify the document.

Questions?

Welcome, lovely meeting you, and thank you!