



CIS 162

Computer Science I

Welcome! :^)

Instructor: Dr. Austin Ferguson

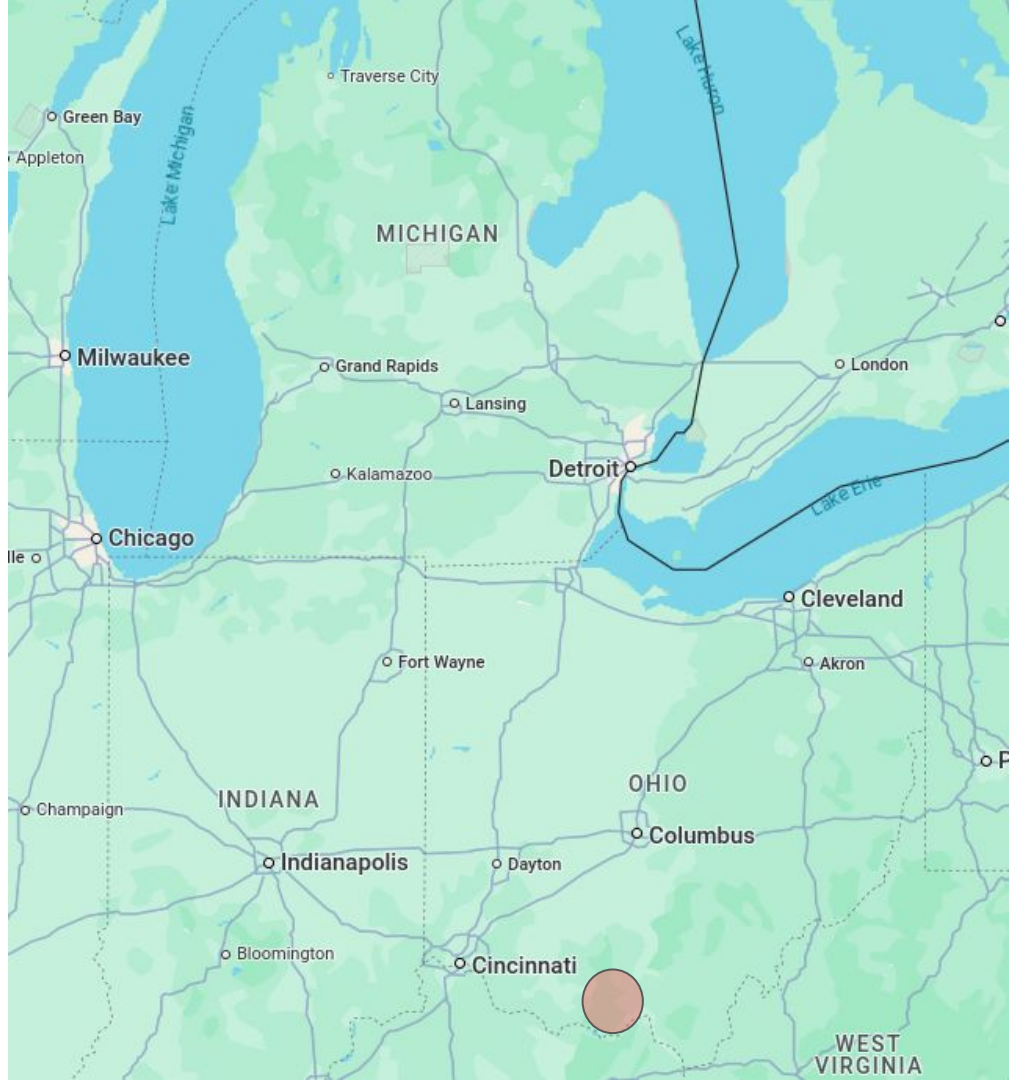
Pronouns: he/him

Email: ferguaus@gvsu.edu

Office: MAK C-2-216

Who am I?

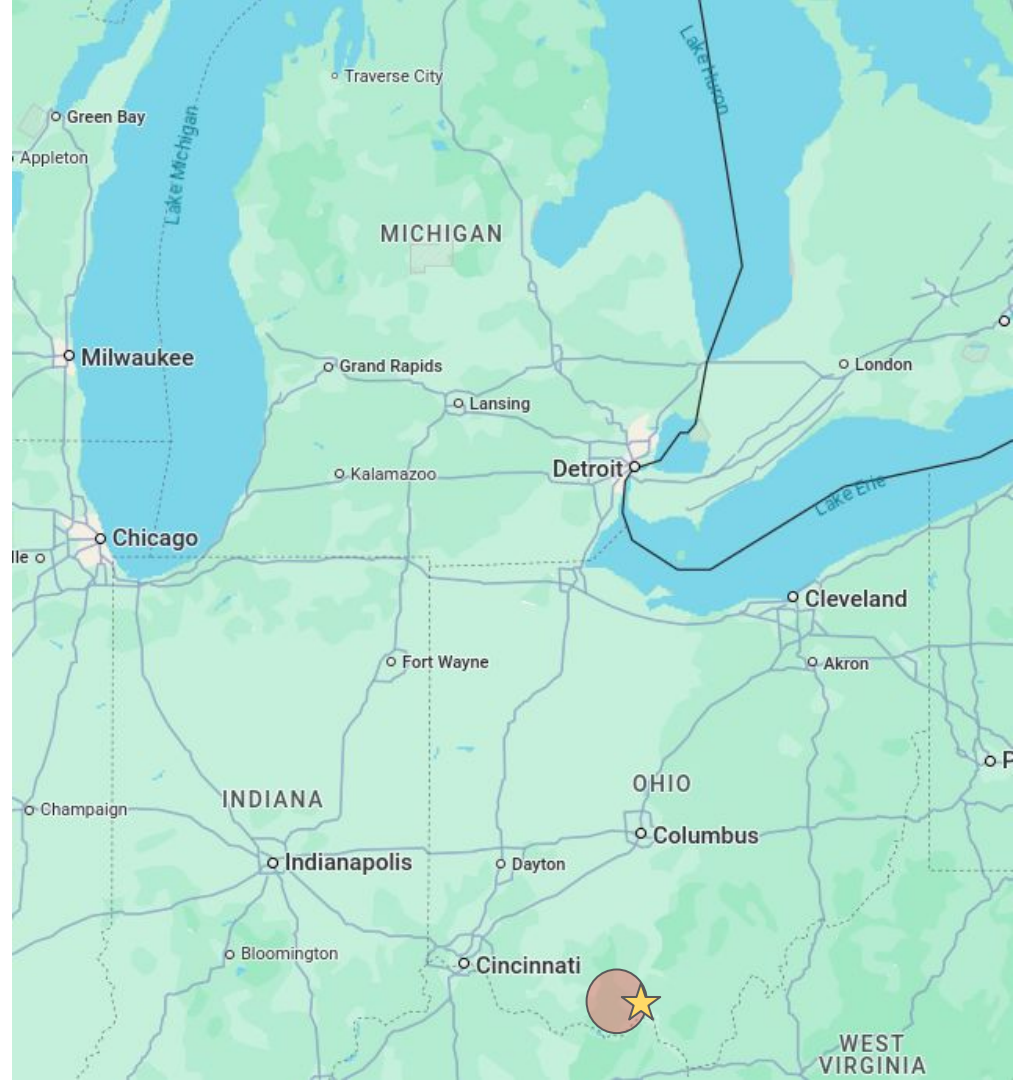
Who am I?



Who am I?

Undergrad: Shawnee State Univ.

- Computer Engineering
- Game Programming



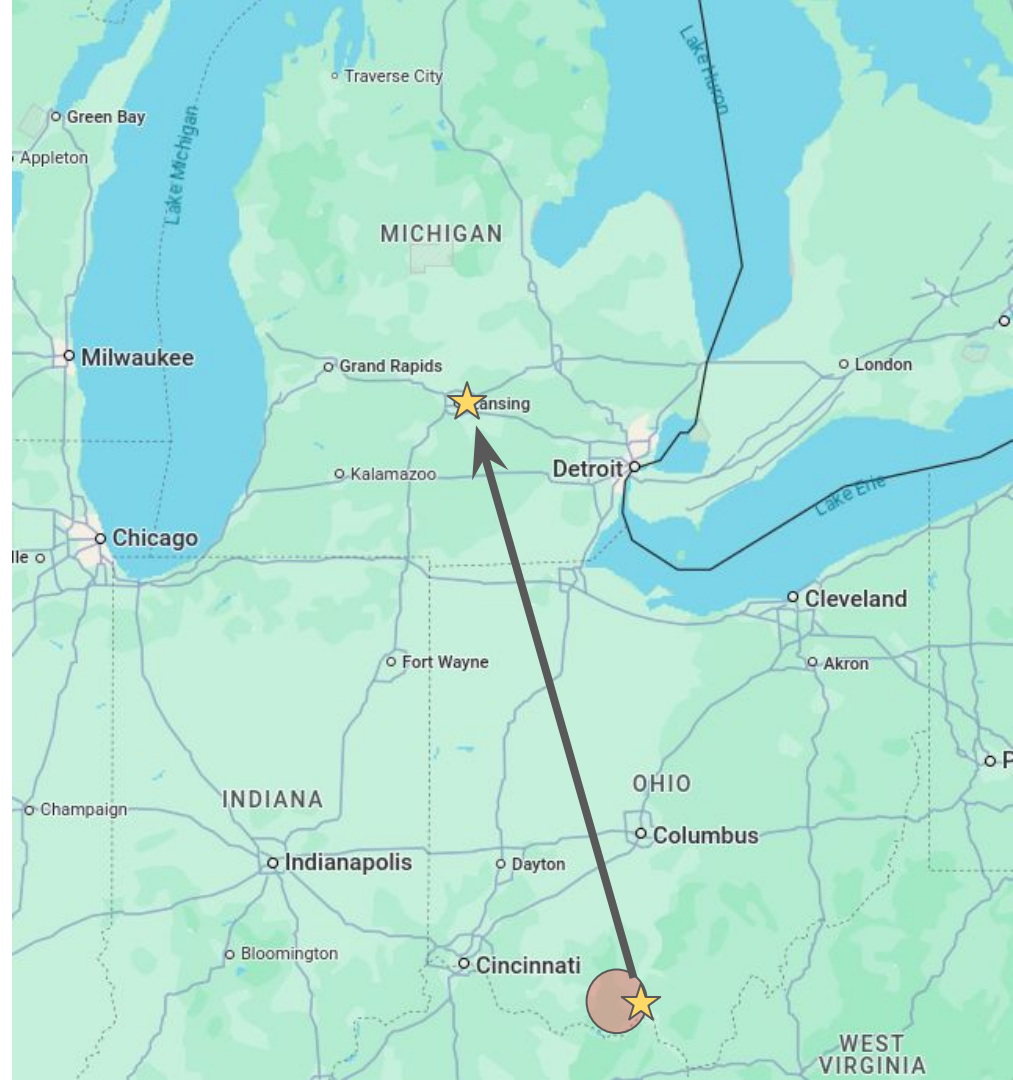
Who am I?

Undergrad: Shawnee State Univ.

- Computer Engineering
- Game Programming

PhD: Michigan State Univ.

- Computer Science
- Ecology, Evolution, and Behavior



Who am I?

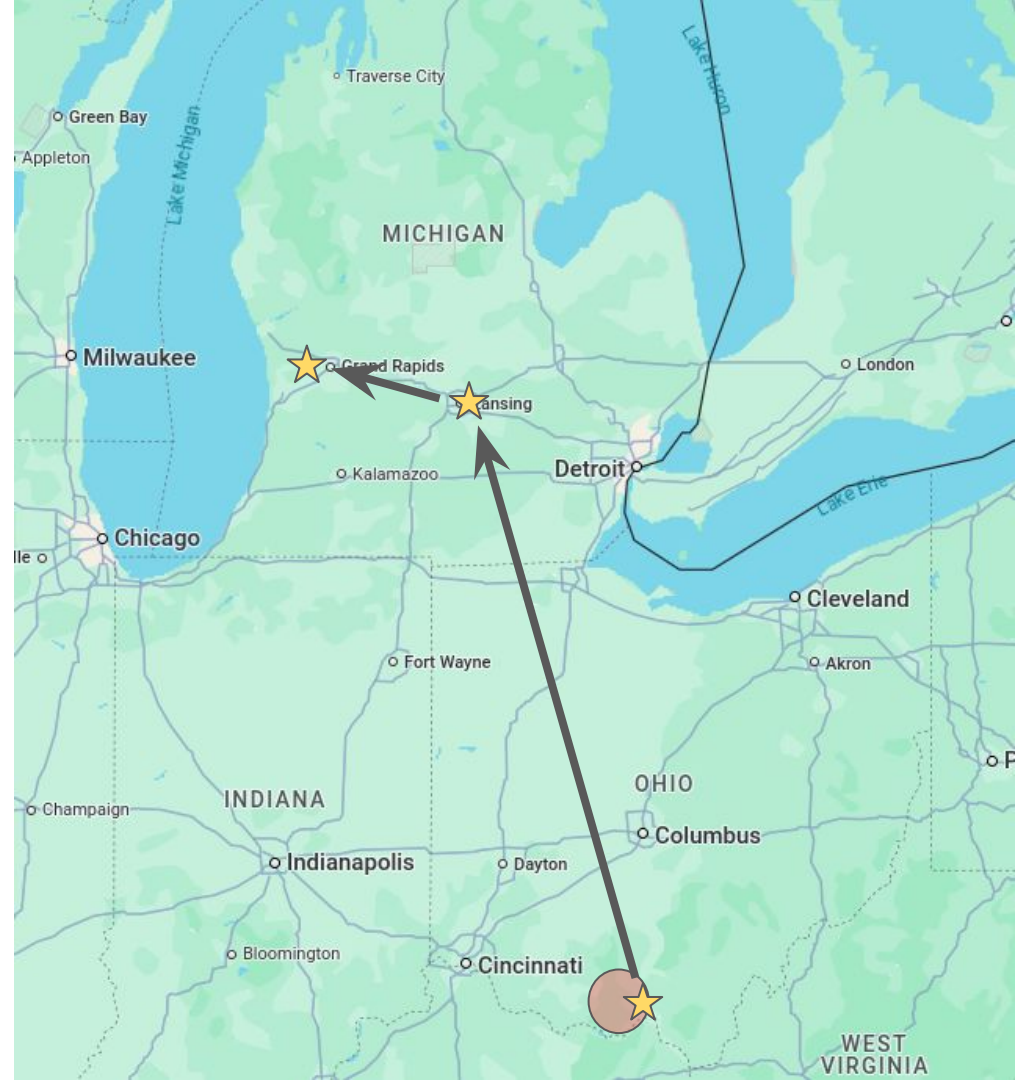
Undergrad: Shawnee State Univ.

- Computer Engineering
- Game Programming

PhD: Michigan State Univ.

- Computer Science
- Ecology, Evolution, and Behavior

Now: Here!



Who am I?

Undergrad: Shawnee State Univ.

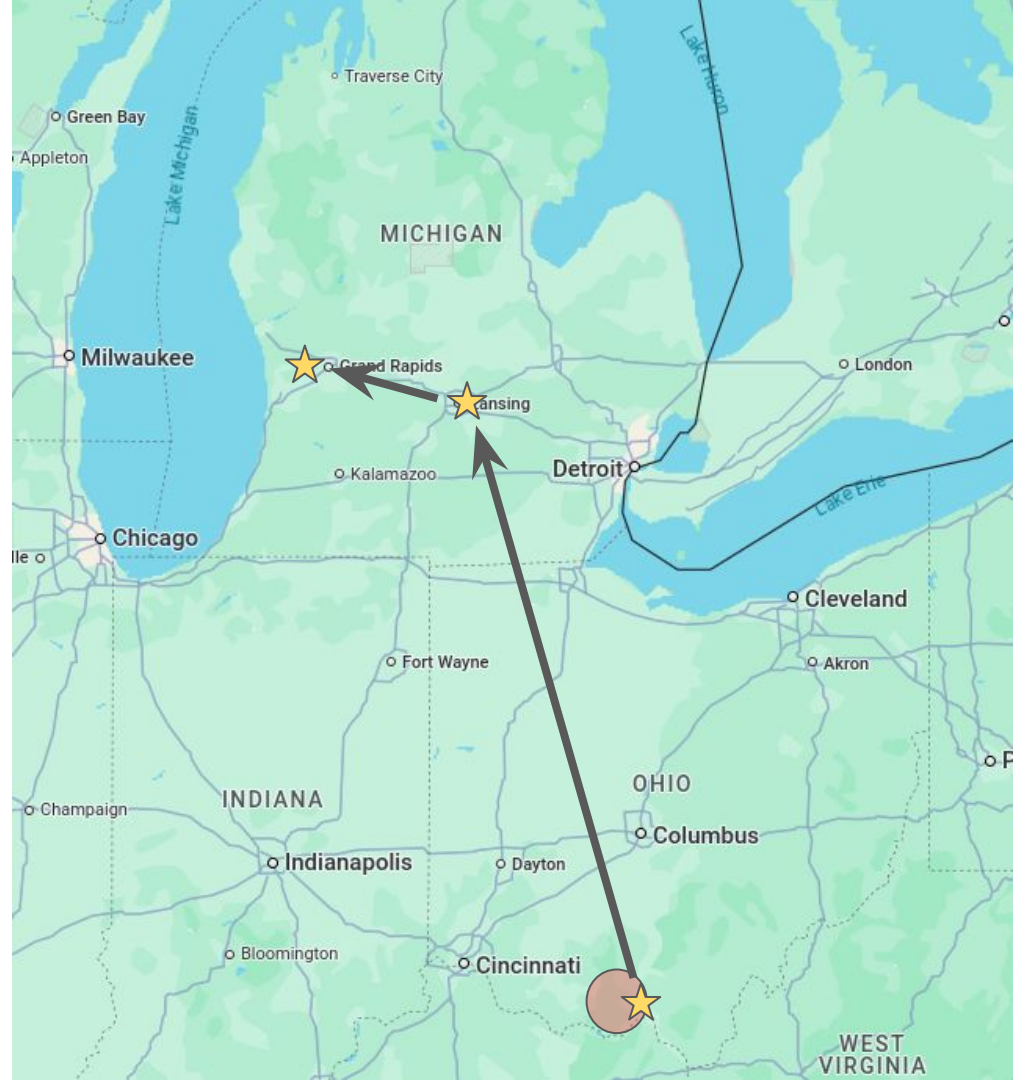
- Computer Engineering
- Game Programming

PhD: Michigan State Univ.

- Computer Science
- Ecology, Evolution, and Behavior

???

Now: Here!



My research

My research (10k-foot view)

My research (10k-foot view)

I use computational models...

... to study evolutionary biology theory

Talk to each other!

▲ JOIN THE
GVSU CIS
COMPUTING
CLUB!

Participate in a variety of activities:

- Company Visits
- Staff and Student Presentations
- Research Opportunities
- Tech News
- Skill Workshops and Team Projects
- Career Preparation

COME TO OUR WEEKLY MEETINGS!

Where: MAK A-1-105 (EOS Lab)
When: Thursdays 6 PM – 7 PM

Join on LakerLink! Find us on Discord!

Or contact us by email: cclub@mail.gvsu.edu



wic@mail.gvsu.edu



Hackers Analyzing
Threats (HAT) -
vijay_bhuse@gvsu.edu

Talk to your professors!

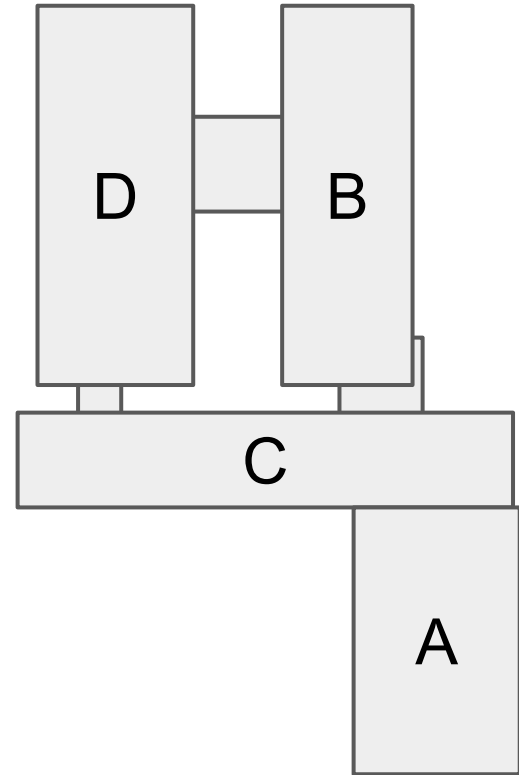
E.g., happy to chat about:

- Gamedev
- Research
- Grad school
- Teaching
- Applying computing to other fields
- Building community
- Etc!

Contact info!

Use communication platform!
Or email if private

“Office” hours*:



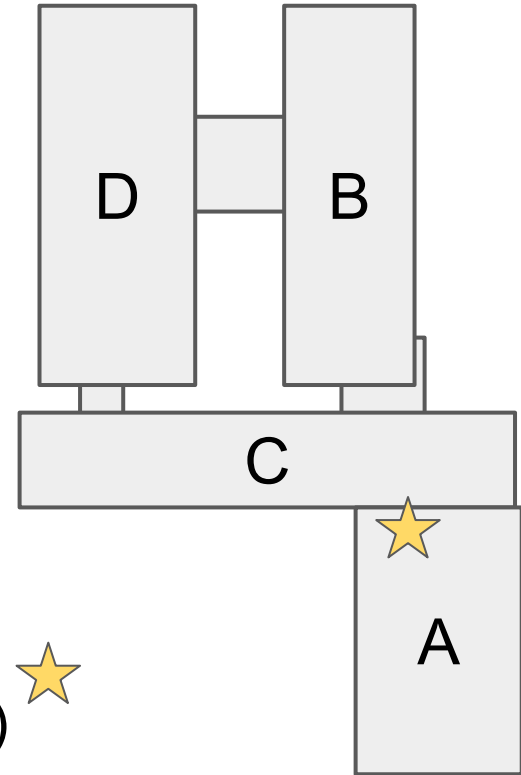
Contact info!

Use communication platform!

Or email if private

“Office” hours*:

- Student Success Center (MAK A-1-101)
 - Wed. 11am-Noon
 - Thurs. 2-3pm

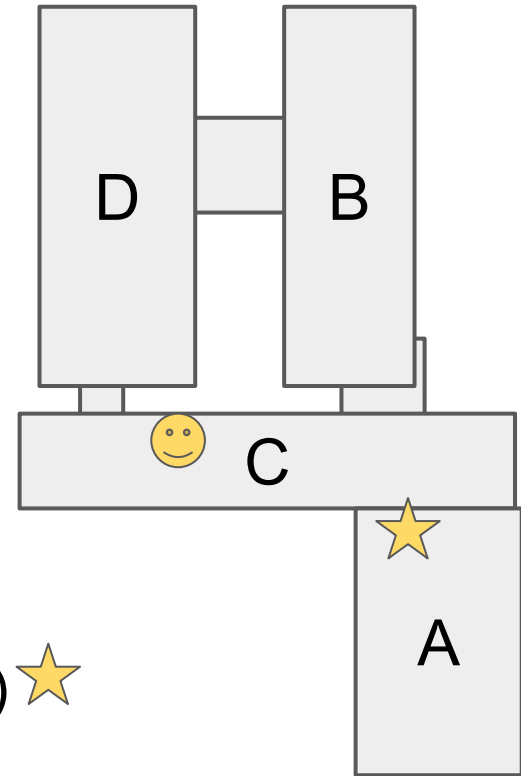


Contact info!

Use communication platform!
Or email if private

“Office” hours*:

- Student Success Center (MAK A-1-101) ★
 - Wed. 11am-Noon
 - Thurs. 2-3pm
- My office (MAK-C-2-216) 😊
 - Fri 11am-Noon



Section 30 only!

I am your **lecture** instructor, Dr. Yasmin is your **lab** instructor



Section 30 only!

I am your **lecture** instructor, Dr. Yasmin is your **lab** instructor

We are both here to help you! :^)



Course logistics!

Course logistics (10k-foot view)

- We have labs, projects, exams (two midterms, lab, and final), and in-class activities
 - Attendance is required for lectures (in-class activities) and labs
- Collaboration is *expected* on labs and activities
 - Should be limited to conceptual questions for projects
- No AI use on labs, if used on projects you must turn in transcripts
- Must have $\geq 60\%$ average on exams to pass!

Other policies

- SAR Accommodations - happy to help, just reach out ASAP!
- Religious observance - let me know beforehand!

Thinking about progress

Thinking about progress

Do you learn better from successes or failures?

Thinking about progress





Do you learn better from successes or failures?

	Success	Failure
Productive		
Unproductive		

Manu Kapur via Peter Felten

Thinking about progress

Do you learn better from successes or failures?

	Success	Failure
Productive		
Unproductive		

Manu Kapur via Peter Felten

Course logistics

Blackboard **Course logistics**

ULTRA

- Grades
- Links to other platforms



Course logistics



- Grades
- Links to other platforms

- Assignments



Course logistics



- Grades
- Links to other platforms

- Assignments

???

- Communication
- Distributing
resources

A note on transparency

A note on transparency

- I'm new-ish!

A note on transparency

- I'm new-ish!
- I want on your feedback!

A note on transparency

- I'm new-ish!
- I want on your feedback!
 - For this semester
 - For future semesters

A note on transparency

- I'm new-ish!
- I want on your feedback!
 - For this semester
 - For future semesters

Thanks in advance! :^)

What to expect for this course?

What to expect for this course? – Just kidding!

What to expect for this course? – Our first activity

Place a post-it note to answer each question:

1. What do you think this course is about?
2. What do you want to get out of this course?
3. What is something you are excited for this semester?
4. Why are you in this class? At GV?
5. What is my role, as your professor?
6. What's one thing that would help you be successful in this class or at GV in general?

What to expect for this course? – Our first activity

Place a post-it note to answer each question:

1. **What do you think this course is about?**
2. What do you want to get out of this course?
3. What is something you are excited for this semester?
4. Why are you in this class? At GV?
5. What is my role, as your professor?
6. What's one thing that would help you be successful in this class or at GV in general?

Coding and computational thinking

Coding:

- How we make computers do stuff
- Computers are both “smart” and incredibly “dumb”

Computational thinking:

- Problem solving, breaking down problems into smaller pieces
- Thinking about *algorithms* to solve the problem

Figure out *how* to solve the problem first, *then* translate to code

What to expect for this course? – Our first activity

Place a post-it note to answer each question:

1. What do you think this course is about?
2. **What do you want to get out of this course?**
3. What is something you are excited for this semester?
4. Why are you in this class? At GV?
5. What is my role, as your professor?
6. What's one thing that would help you be successful in this class or at GV in general?

What to expect for this course? – Our first activity

Place a post-it note to answer each question:

1. What do you think this course is about?
2. What do you want to get out of this course?
3. **What is something you are excited for this semester?**
4. Why are you in this class? At GV?
5. What is my role, as your professor?
6. What's one thing that would help you be successful in this class or at GV in general?

What to expect for this course? – Our first activity

Place a post-it note to answer each question:

1. What do you think this course is about?
2. What do you want to get out of this course?
3. What is something you are excited for this semester?
4. **Why are you in this class? At GV?**
5. What is my role, as your professor?
6. What's one thing that would help you be successful in this class or at GV in general?

What to expect for this course? – Our first activity

Place a post-it note to answer each question:

1. What do you think this course is about?
2. What do you want to get out of this course?
3. What is something you are excited for this semester?
4. Why are you in this class? At GV?
5. **What is my role, as your professor?**
6. What's one thing that would help you be successful in this class or at GV in general?

What to expect for this course? – Our first activity

Place a post-it note to answer each question:

1. What do you think this course is about?
2. What do you want to get out of this course?
3. What is something you are excited for this semester?
4. Why are you in this class? At GV?
5. What is my role, as your professor?
6. **What's one thing that would help you be successful in this class or at GV in general?**