CS Sophomore Night

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Agenda

- Resources (dept and university) - Dr. Simmons
- Strategies for Success in 240 & 261 - Dr. Lam
- Scholarships - Dr. Heydari
- Your Path to Graduation - Paige
- Exploring Minors - Dr. Stewart
- CS Clubs w/ Representatives
- CS Student Panel for Q&A
- Pizza!

Resources

CS TA Hours

Office Hours

CS Ambassadors

Student Success

JMU Department of Computer Science

Strategies for Success

Scholarships

WITHDRAW DEADLINE

OCTOBER 26

If you think you won't pass a class, talk to your professor about if withdrawing is the right call.

SPRING ENROLLMENT

BEGINS NOV. 7TH

MyMadison ➡ Student Center

Academics

This Week's Schedule

- Shopping Cart
- Academic Planner
- Academic Requirements
- Class Schedule
- Transcript: View Unofficial

other academic...

Holds

No Holds.

To Do List

No To Do's.

Enrollment Dates

Open Enrollment Dates

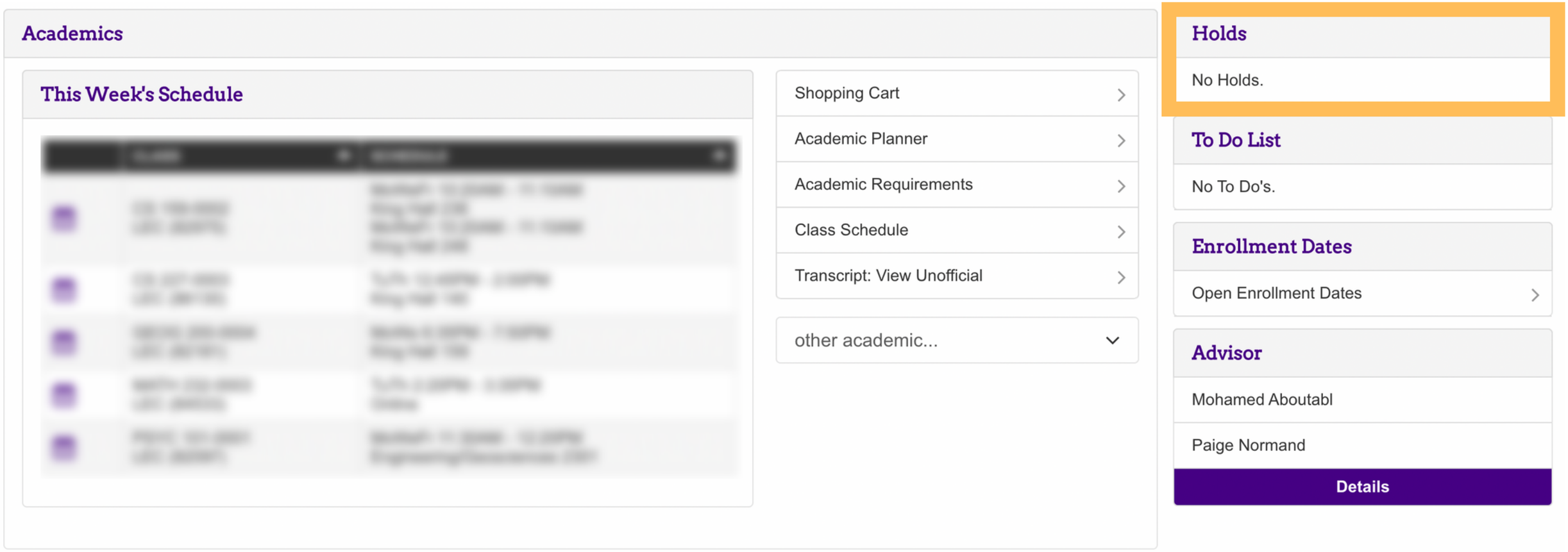
Advisor

Mohamed Aboutabl

Paige Normand

Details

MyMadison ➡ Student Center



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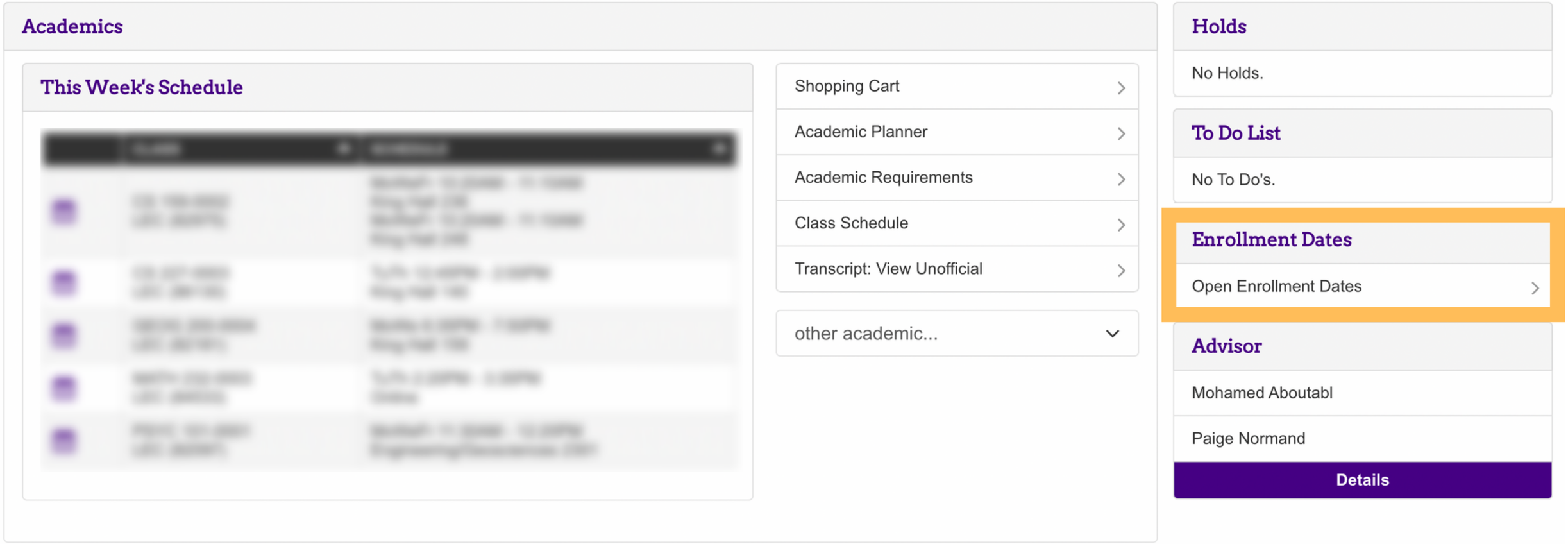

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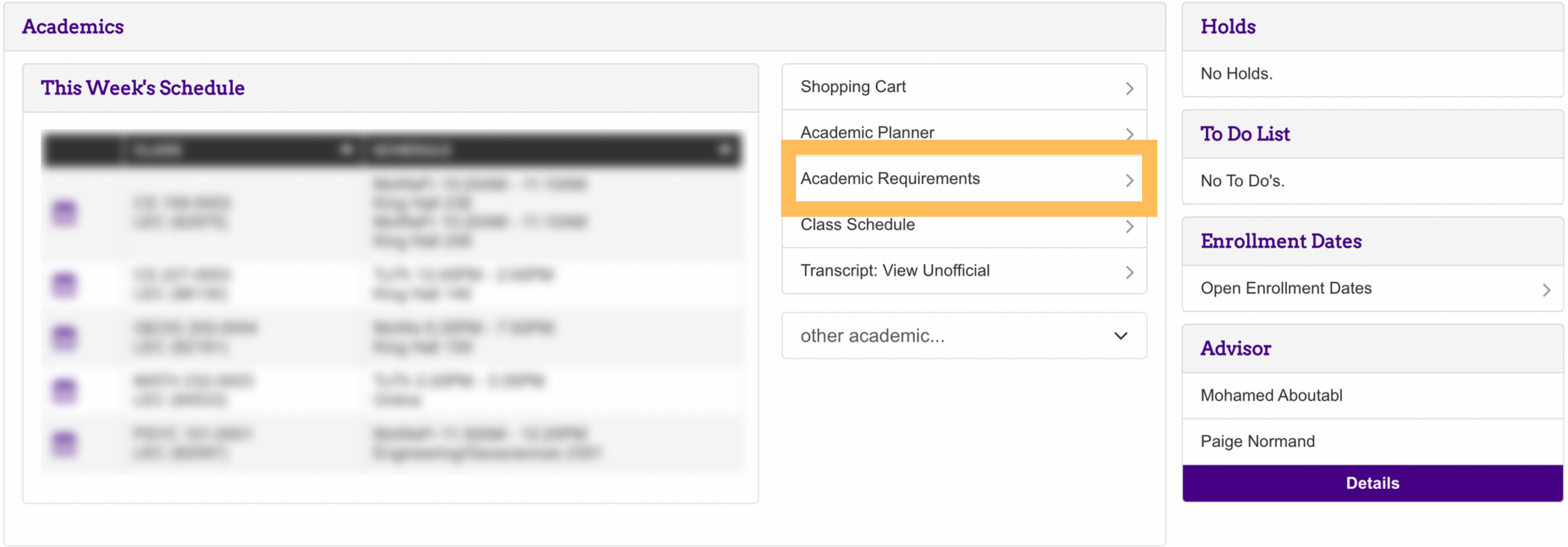


See the Program Planner on the General Education website for course options.

- General Education: Cluster One

Satisfied: CLUSTER ONE - SKILLS FOR THE 21ST CENTURY ~ Students must complete the Madison Research Essential Skills Test and one course from each of three areas. (9 credit hours) (RQ 1012)

Information Literacy

C1W - Writing

C1CT - Critical Thinking

C1HC - Human Communication

- General Education: Cluster Two

Not Satisfied: CLUSTER TWO - ARTS AND HUMANITIES ~ Students must complete one course from each of three areas. (9 credit hours) (RQ 1013)

C2HQC - Human Questions & Contexts

C2VPA - Visual & Performing Arts

C2L - Literature

Not Satisfied: Literature ~ (RQ 1013, CL 2355, 2762)

- Units: 3.00 required, 0.00 taken, 3.00 needed

See the Program Planner on the General Education website for course options.

- General Education: Cluster One

Satisfied: CLUSTER ONE - SKILLS FOR THE 21ST CENTURY ~ Students must complete the Madison Research Essential Skills Test and one course from each of three areas. (9 credit hours) (RQ 1012)

Information Literacy

C1W - Writing

C1CT - Critical Thinking

Satisfied: Critical Thinking ~ (RQ 1012, CL 2969)

The following courses were used to satisfy this requirement:

COURSE	DESCRIPTION	UNITS	WHEN	GRADE	STATUS
ISAT 160	PROB SOLVING APP IN SCI & TECH	3.00	Spring Semester 2022	B	☑

C1HC - Human Communication

- General Education: Cluster Two

Not Satisfied: CLUSTER TWO - ARTS AND HUMANITIES ~ Students must complete one course from each of three areas. (9 credit hours) (RQ 1013)

C2HQC - Human Questions & Contexts

C2VPA - Visual & Performing Arts

Your Path through CS

Your CS Plan

- The plan will change
- Get your own spreadsheet:

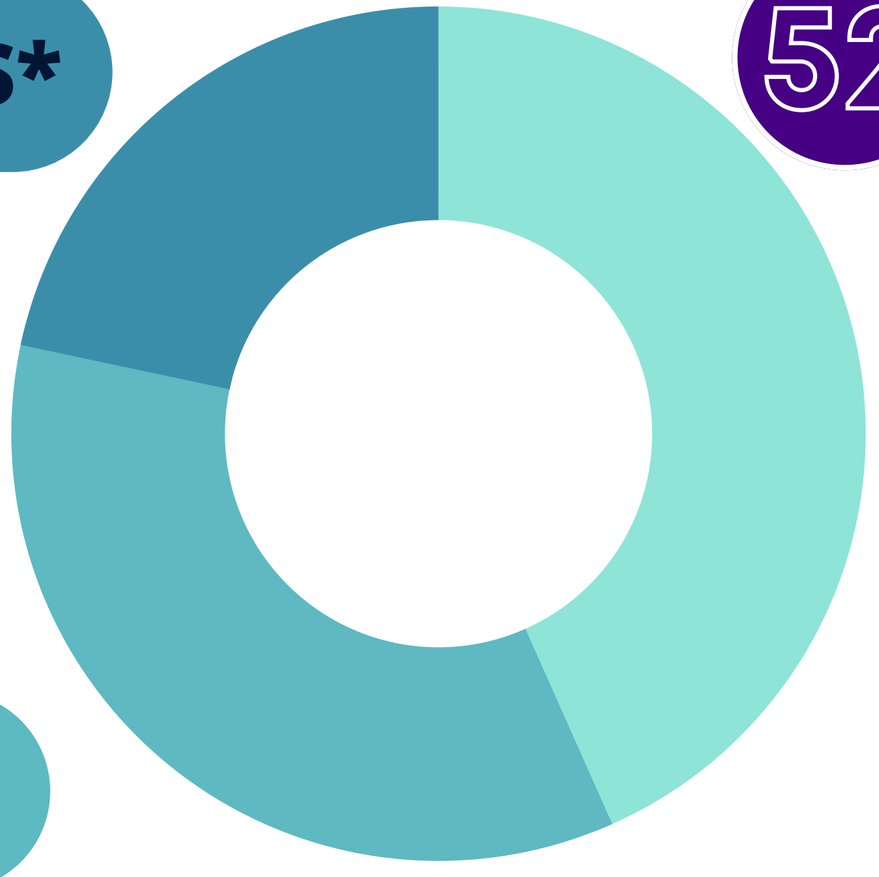
CS Advising Canvas Site

- Calendar of Important events
- Strategic announcements

YOU NEED 120 CREDITS TO GRADUATE

26 ELECTIVES*

52 CS CURRICULUM



42 GEN EDS

Every student's situation is different (DE credits, AP credits, took MATH 235 instead of the 231+232 combo, etc.) So talk to the CS Advisor to discuss how you will get to 120!

*** Electives are anything you elect to take. This can be a minor, more CS classes, or anything you want!**

JMUCS

jmucs
New Faculty & Staff!
August 1
OPEN ENROLLMENT BEGINS!
GRADUATION CELEBRATION
FREE
PHOTOSHOOT
FRIDAY!

DR. MICHAEL STEWART OCT 17, ’22 SOPHOMORE NIGHT

EXPLORING MINORS

Multidimensional scaling vs. Principal Component Analysis

About Dr. Stewart

Human

- from Charlotte, NC
- 2.5 siblings
- 1st gen college student
- 2nd gen immigrant to USA
- 2.9 GPA
- partner + 2 children
- likes to cook, eat, travel, hike, play games (board, video), build technologies, teach students!, and conduct research in Human Computer Interaction

About Dr. Stewart

Computer

Academia 🏛️

UNC

- BS in CS ’07
- Other foci:
  - Math
  - Women’s Studies

Virginia Tech

- MS in CS ’13
- PhD in CS ’18

JMU

- New Prof in ’17!
- teach: 149, 159, 343, 347, 447

Industry 👩‍💻

IBM ’07, ’10

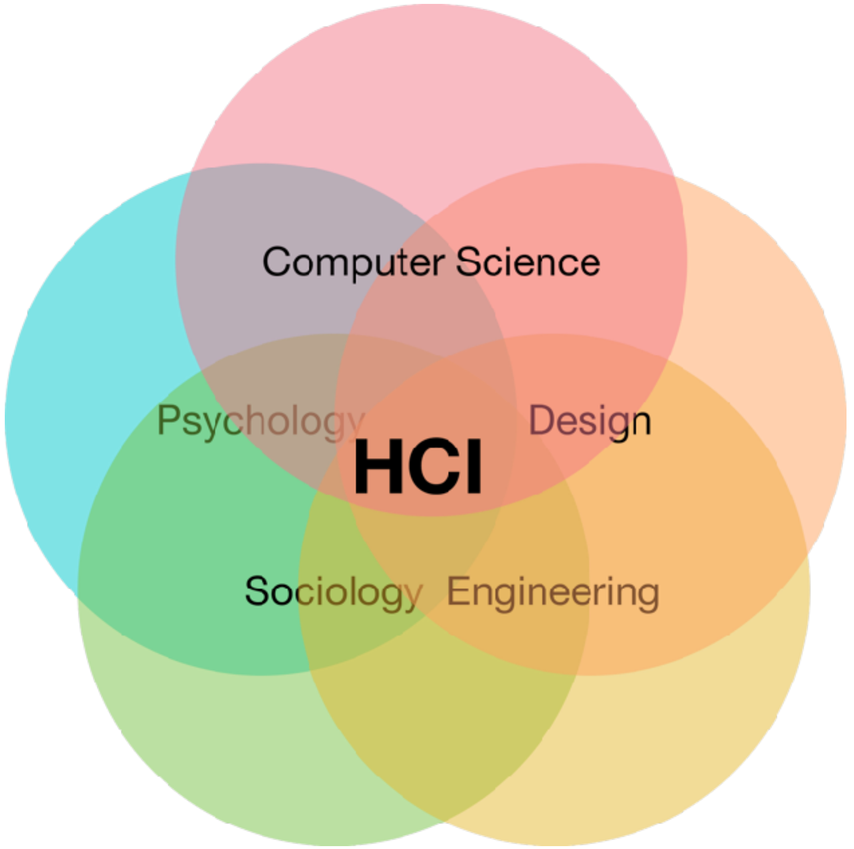
Red Hat ’07-’09

Xerox Research Centre Europe ’13

Amazon ’20-’21

Human-Computer Interaction

- Interdisciplinary research field centered around the way people use technology (or don't) and the effects of technology use on people.



1. Gather qualitative and quantitative data about people and systems (evaluate)
2. Produce Implications for Design
3. Design
1. Evaluate (gather qualitative and quantitative data about people and systems)

I look forward to getting to know y’all more as I see you around.

EXPLORING MINORS

Save Image

Save Image

Save Image

Save Image

This was going to be an AI-generated image for the prompt of “Exploring Minors”, but that turned out horrifying, so instead these are for “explorers, steampunk”

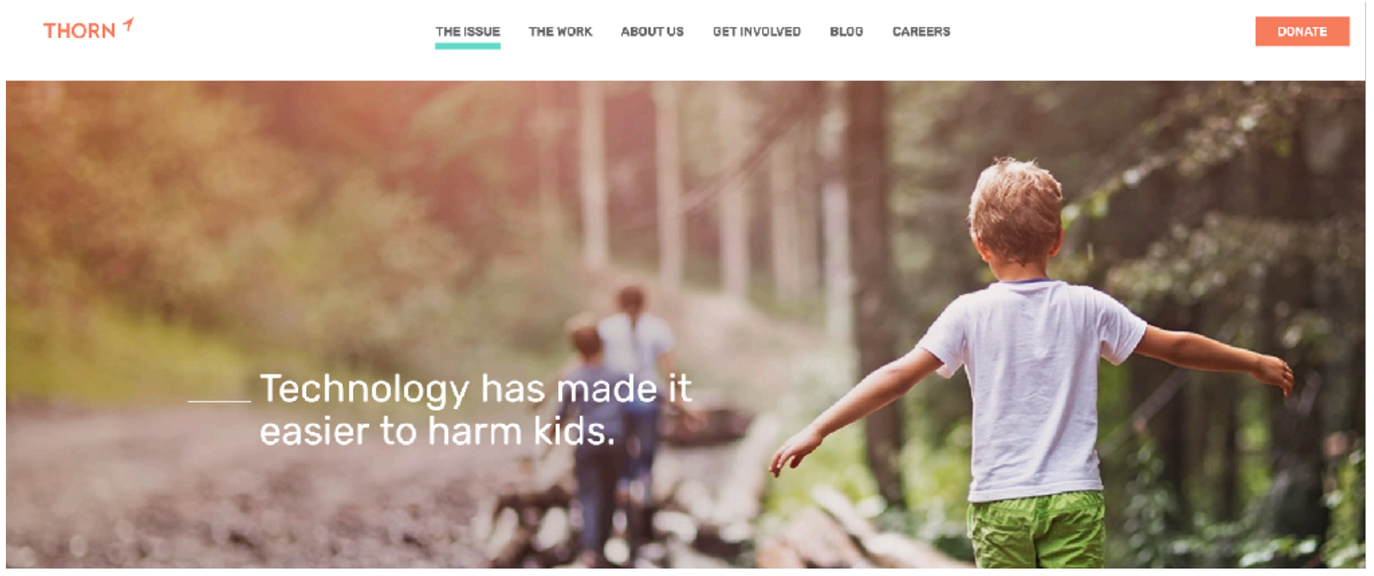
A Minor Bird By Robert Frost

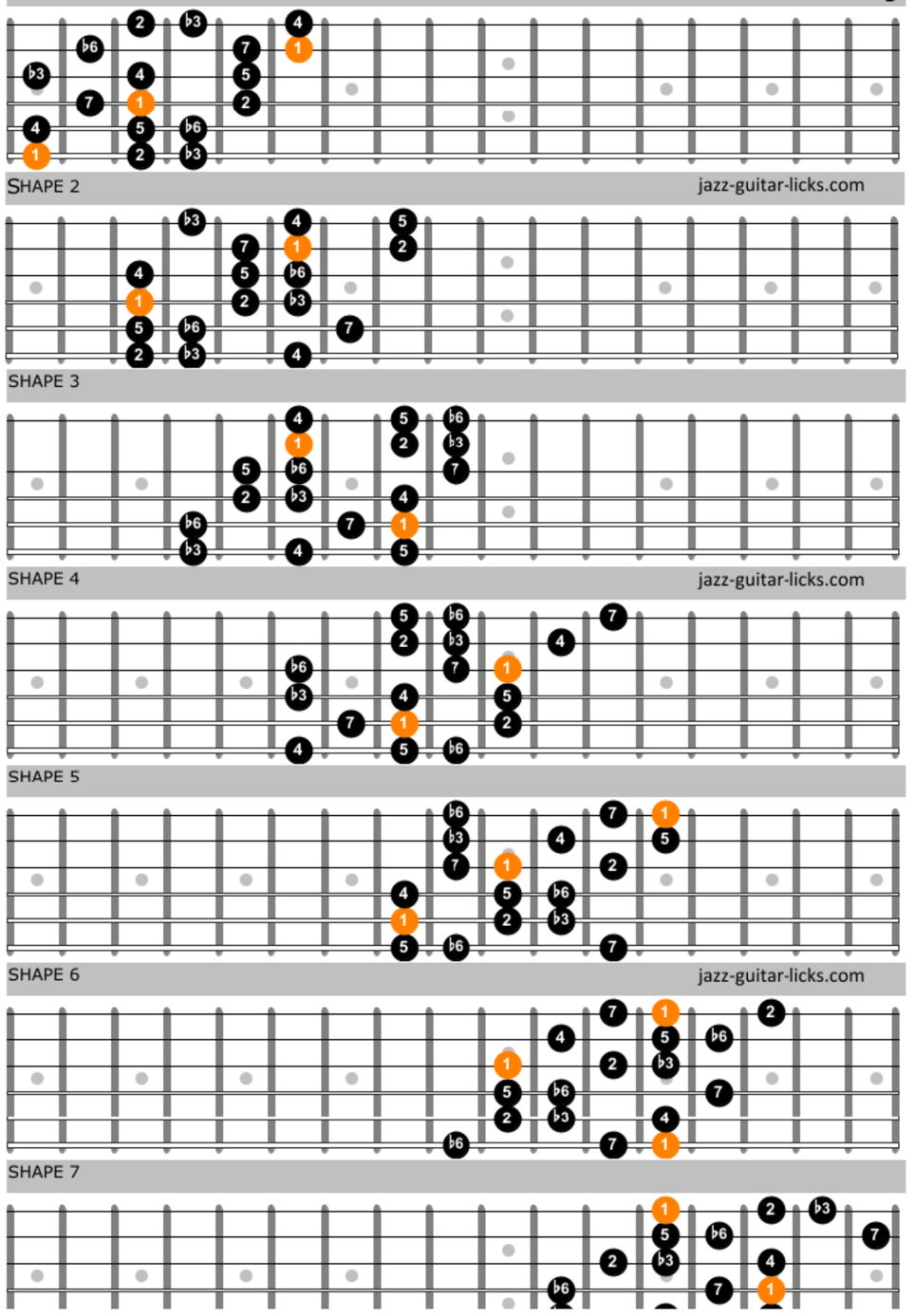
I have wished a bird would fly away,
And not sing by my house all day;

Have clapped my hands at him from the door
When it seemed as if I could bear no more.

The fault must partly have been in me.
The bird was not to blame for his key.

And of course there must be something wrong
In wanting to silence any song.





AGENDA

Jobs

People

Education

JOBS

HOW WILL YOU GET HIRED?

BACK IN MY DAY ...

- Java 6
- Python 2.6
- jQuery
- dojo
- PHP 5.2.x
- PocketPC, Blackberry
- C# 2.0

👴 BACK IN MY DAY ...

- Java 6
- Python 2.6
- jQuery
- dojo
- PHP 5.2.x
- PocketPC, Blackberry
- C# 2.0

#

TODAY.

- Java 19
- Python 3.10
- ~~jQuery~~ vanilla JS
- React 18, Vue, Svelte
- ~~PHP 5.2.x~~
- iOS, android
- C# 10

S.T.A.R.

G€T THAT MON€¥

The STAR method is a structured manner of responding to a behavioral-based interview question by discussing the specific situation, task, action, and result of what you're describing. Here's what it looks like:

SITUATION

Describe the situation that you were in, or the task that you needed to accomplish. Give enough detail for the interviewer to understand the complexities of the situation. This example can be from a previous job, school project, volunteer activity, or any relevant event.

TASK

What goal were you working toward?

ACTION

Describe the actions you took to address the situation with an appropriate amount of detail, and keep the focus on you. What specific steps did you take? What was your particular contribution? Be careful that you don't describe what the team or group did when talking about a project. Let us know what you actually did. Use the word "I," not "we," when describing actions.

RESULT

Describe the outcome of your actions and don't be shy about taking credit for your behavior. What happened? How did the event end? What did you accomplish? What did you learn? Provide examples using metrics or data if applicable.

×

1. Customer Obsession
2. Ownership
3. Invent and Simplify
4. Are Right, A Lot
5. Learn and Be Curious
6. Hire and Develop the Best
7. Insist on the Highest Standards
8. Think Big
9. Bias for Action
10. Frugality
11. Earn Trust
12. Dive Deep
13. Have Backbone; Disagree and Commit
14. Deliver Results

Leadership Principals

WHO CARES?

PEOPLE

WHO ARE YOU EVEN TALKING TO?!

- family
- friends
- youths
- volunteers

EDUCATION

WHAT IS IT GOOD FOR?

OK, BUT F'REAL THO' - WHAT DO YOU WANT?

- so assume you graduate with a B.S. in C.S., then what?
- you won't be an expert in C.S., nor in software development (don't worry there aren't many of those)
- you will know enough C.S. to be able to learn more
- what about other subjects?
  - arts?
  - history?
  - politics?
  - psych?
  - soci?
  - etc.

More and more Americans are going to college, but how many of them are actually learning anything? Illustration by BARRY BLITT

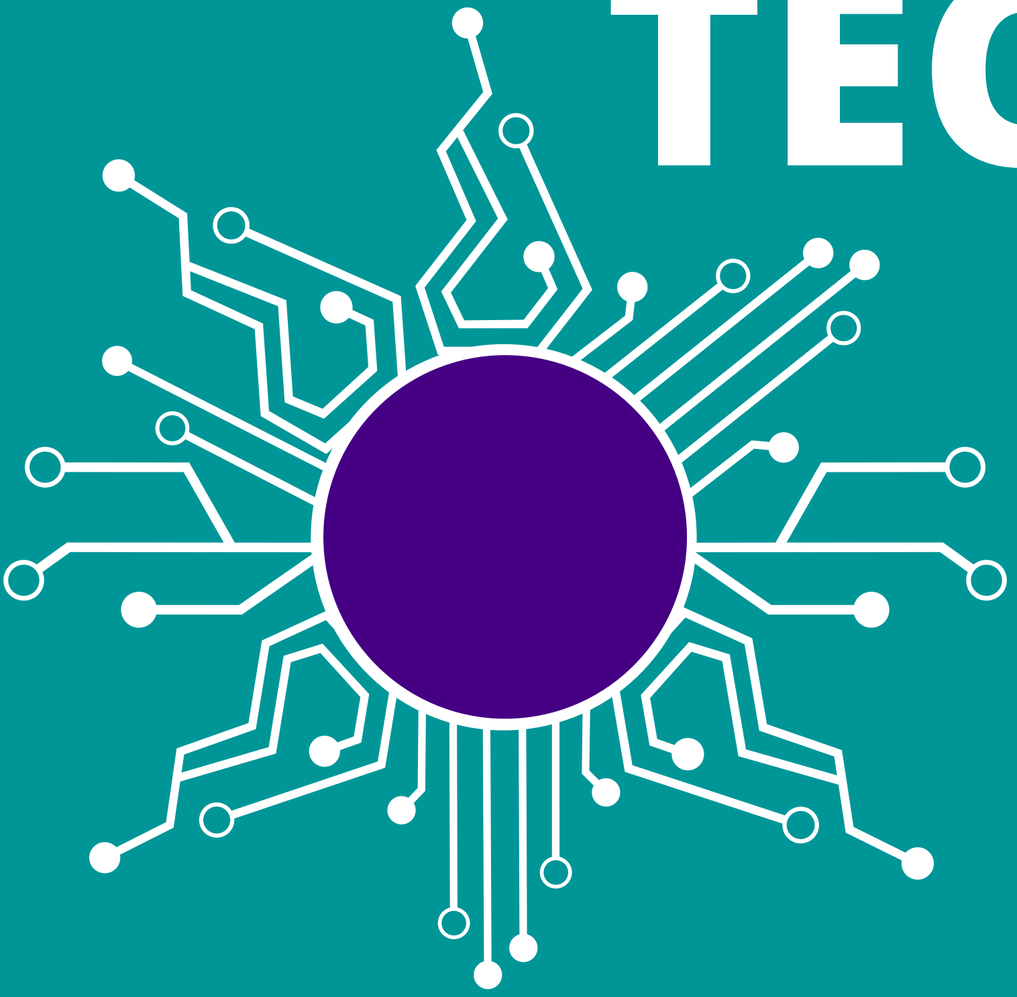
https://www.newyorker.com/magazine/2011/06/06/live-and-learn-louis-menand

BALANCE

MINOR CAN HELP YOU BALANCE THE CS

- help distinguish yourself from others in job and other contexts
- we’re complex beings each with many dimensions of difference and similarity, how do we reduce the dimensionality in a way that we find favorable and representative?
- but don’t do it wrong and run out of personal time

WOMEN IN TECHNOLOGY



Upcoming Meeting:

Oct 24

6:30-7:30pm

in King Hall 160

JMU Department of Computer Science

CYBER DEFENSE CLUB

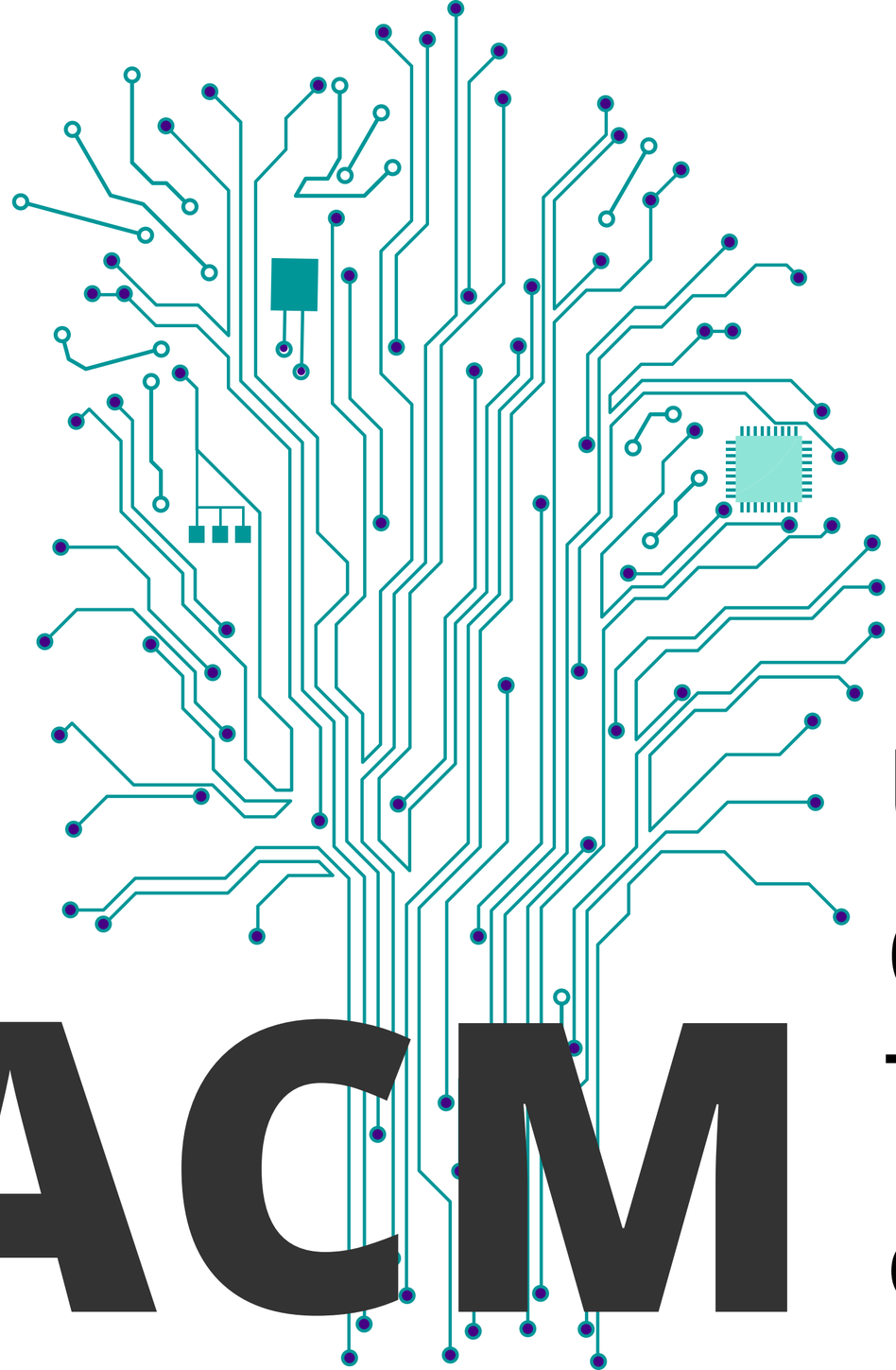
Thursdays 5:30-6:30pm
in King Hall 236

JMU Department of Computer Science

COMPETITIVE PROGRAMMING

Mondays 8pm-9pm
in King Hall 236

JMU Department of Computer Science



ACM

Upcoming Meeting:

Oct 25

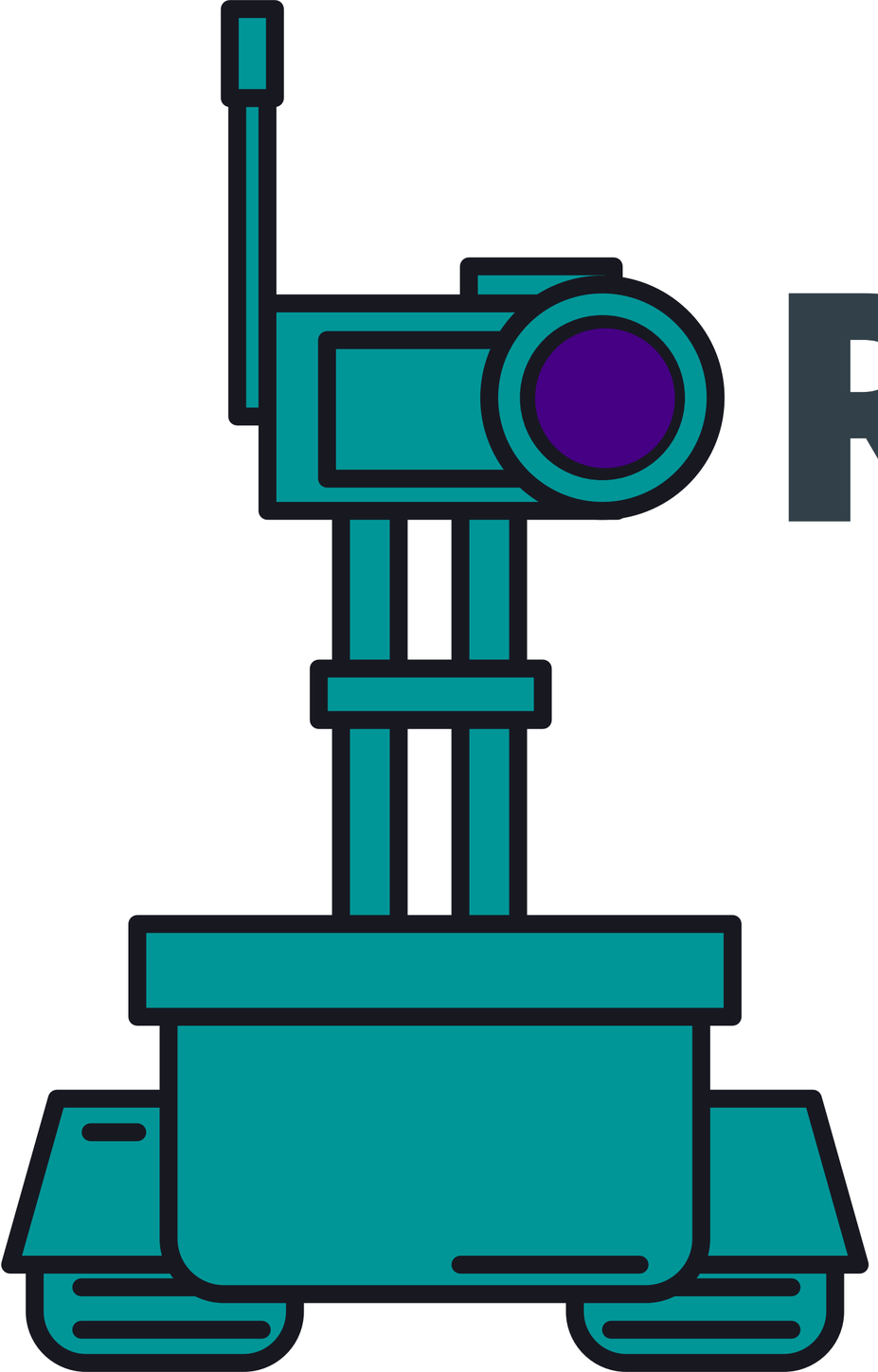
Tuesdays 5:30-6:30pm

on Zoom or Discord

UNIX USERS GROUP

Wednesdays 6:30-7:30pm
in King Hall 236

JMU Department of Computer Science



ROBOTICS

Tuesdays 5pm-6pm
in EnGeo 1203

JMU Department of Computer Science

CS Student Panel

Pizza Time

enjoy & mingle

- 2nd Floor Hallway: Pepperoni
- Study Area across from 248: Cheese
- King 260: Veggie, Gluten-free

A class begins here shortly, so we do need to leave!