

CICSFT



WELCOME TO  
**researchNight**

STARTS AT 7:05PM





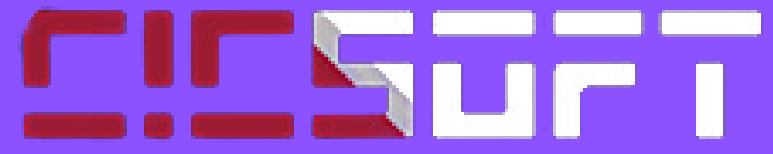
SOFT





# WHY RESEARCH BRUV

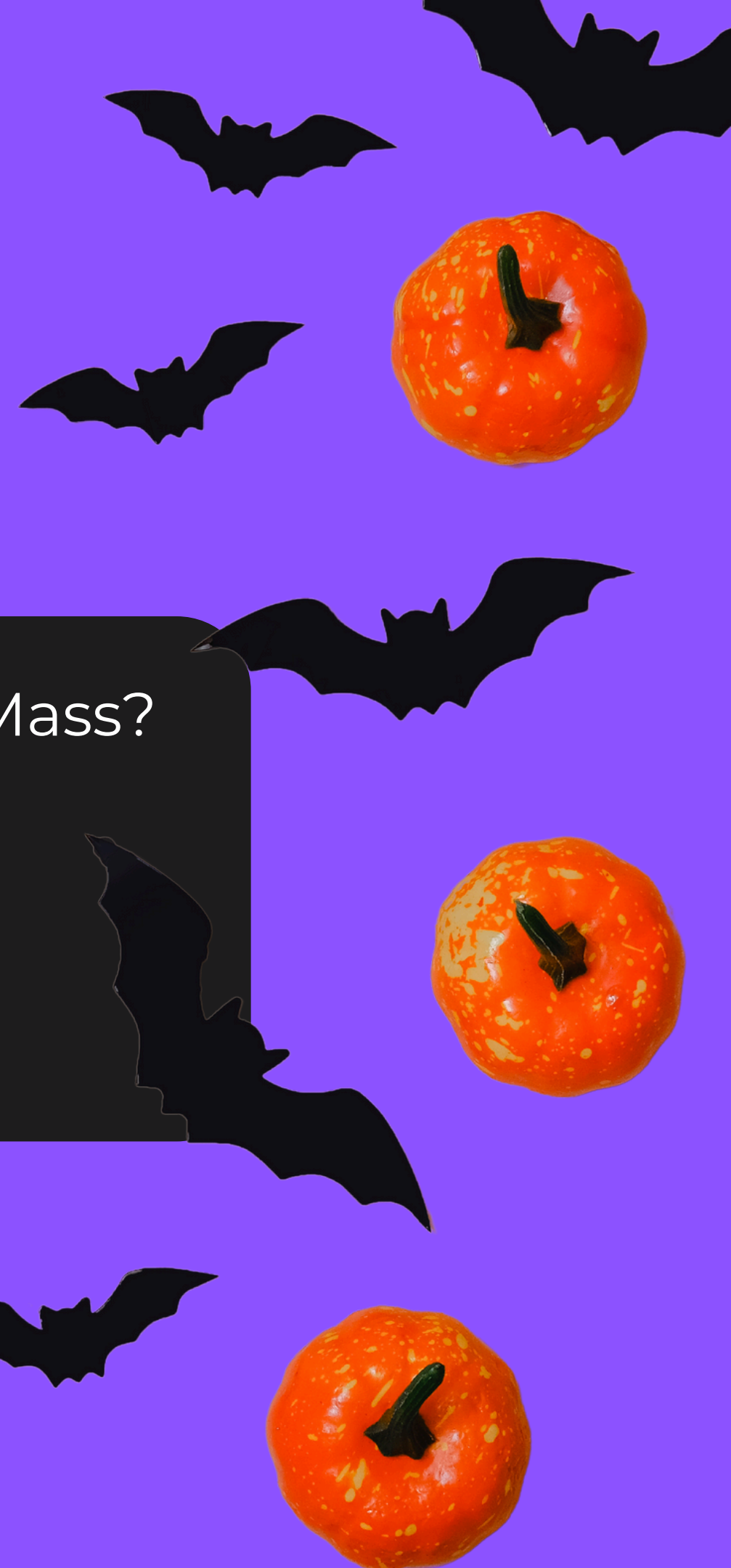




# THIS IS A SPECIAL ONE!

## AND CICSOFT DOES IT THE BEST

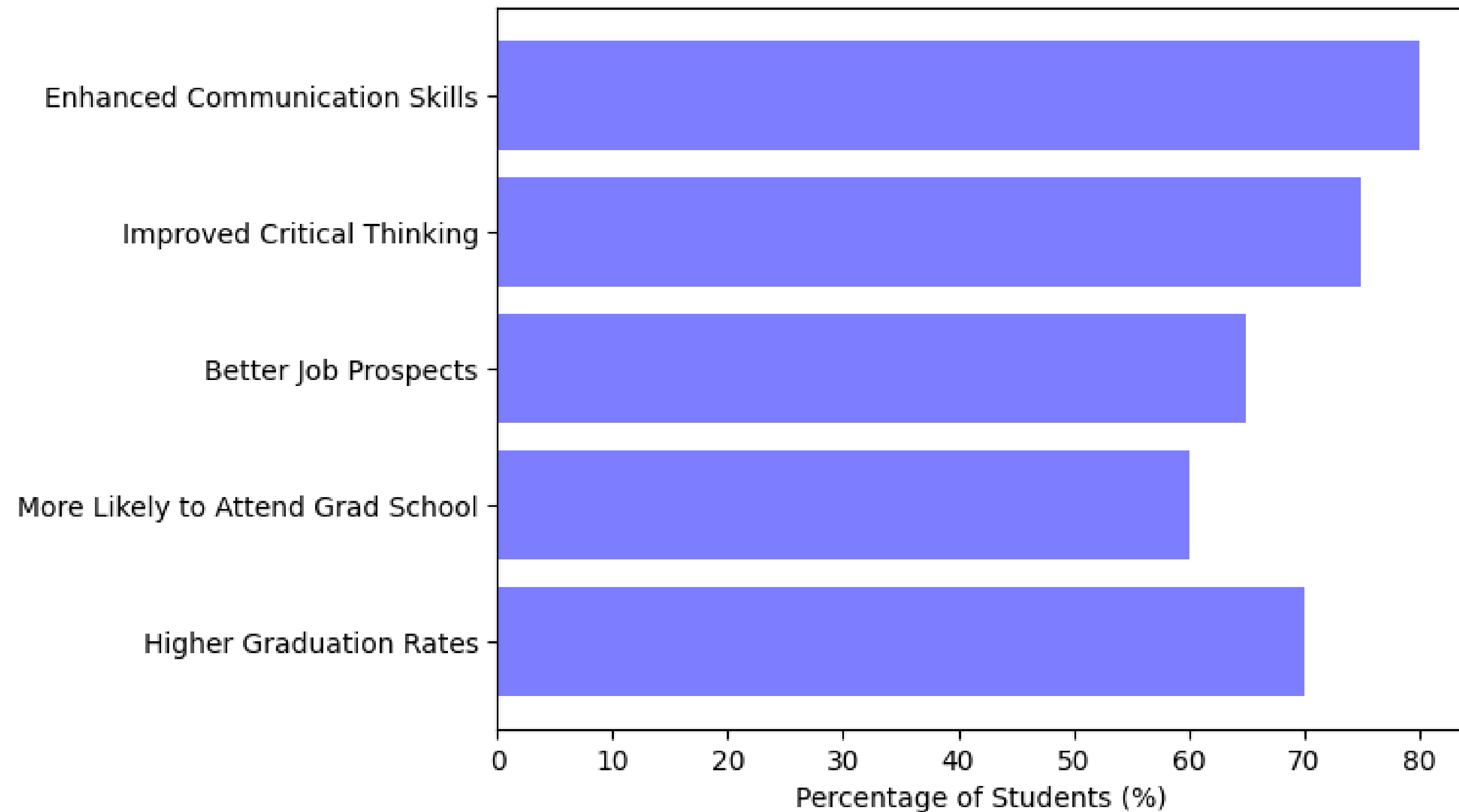
- Why should one do research as an undergraduate? Why UMass?
- WTF is Research?? Its just people pretending to sound cool!
- Research is for the poor! I need \$\$\$\$
- Research is Boring!! Slow!! Time taking!!
- I dont like studying!!



RESEARCH IS  
MUCH MORE



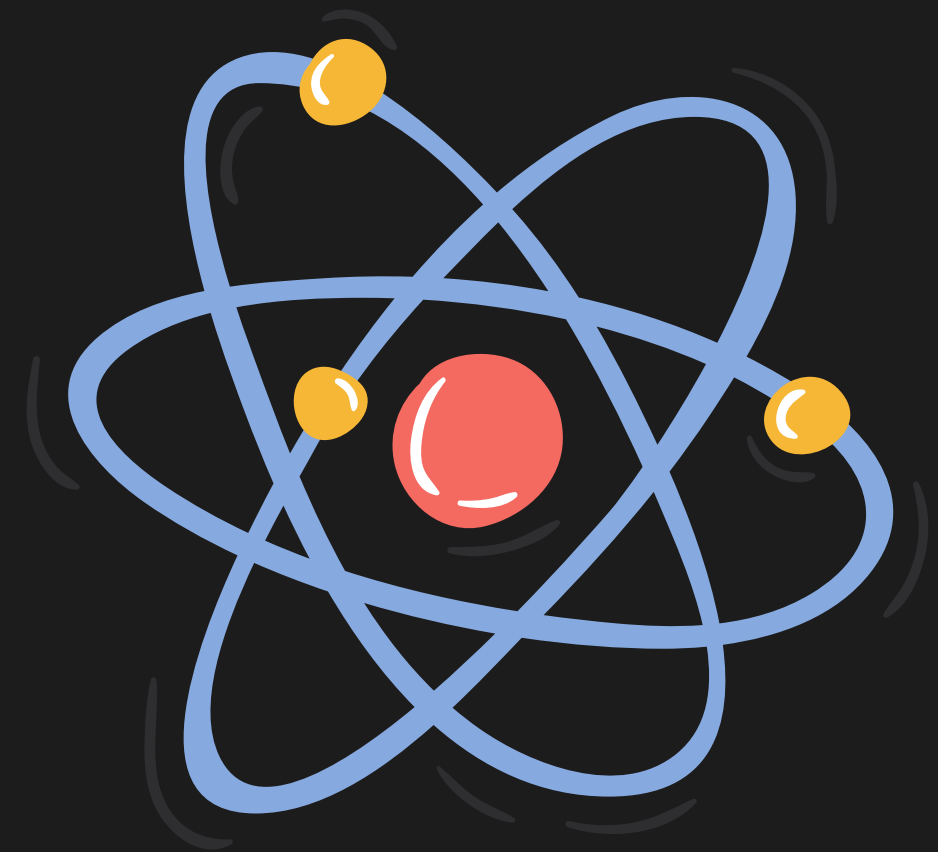
## Benefits of Undergraduate Research



# TODAY'S PLAN

## GO OVER

- 1) Research Opportunities on Campus
- 2) Getting Started with a Research Lab
- 3) Applying to Lab Programs
- 4) Presenting at Conferences
- 5) Applying to Grad School
- 6) Opportunities after Higher Education



**CIS**SOFT

**@ UMASS?**





# DISCOVER RESEARCH OPPORTUNITIES ON CAMPUS



# ERSP

Early Research Scholars Program

# EMBER



TRICK OR  
RESEARCH?



**TOO LATE...**  
**CAN I APPLY TO LABS?**



## HOW TO APPLY

- Find the labs/research groups of your interest
- DONT EMAIL PROFESSOR!!
- Find PhD students who are doing things of interest
- Email them! Template coming in hot

i choose you for my  
research (potion), little cat



TEMPLATES



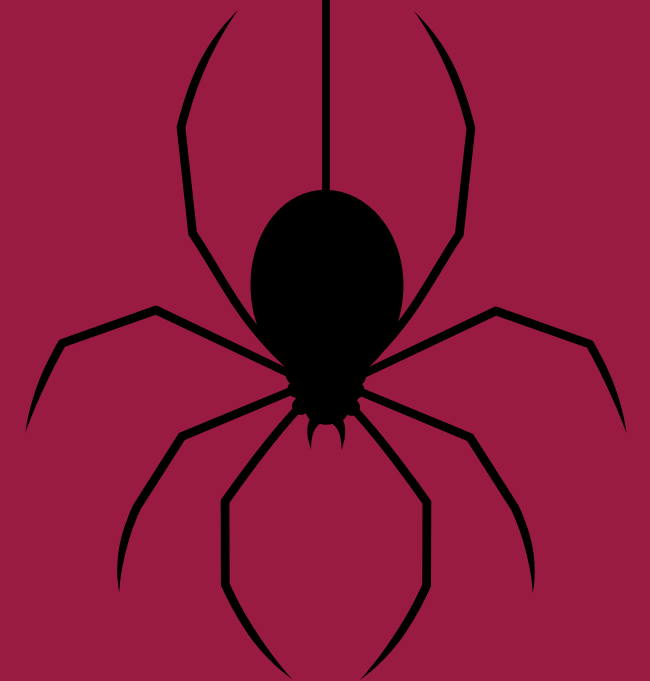
OURS





He is making it sound easier than it is but you got this!!  
cus you're here at cicsoft \*APPLUASE\*

**YOU'RE DOING  
RESEARCH!  
NOW WHAT?**





# GET RECOGNIZED @ CONFERENCES

by becoming a research-ampire!

- MIT Undergraduate Research Technology Conference (URTC)
- Computer Science Conference for CSU (CSCSU)
- Grace Hopper Celebration
- Richard Tapia Celebration of Diversity in Computing
- National Society of Black Engineers (NSBE) Convention
- Society of Hispanic Professional Engineers (SHPE) National Convention
- Out in Science, Technology, Engineering, and Mathematics (oSTEM) Conference
- Society of Asian Scientists and Engineers (SASE) National Conference



# GRAD SCHOOL APPLICATIONS

editor is not able to think of any more jokes





only joking omg halloween  
theme remember

# YOUR PATH TO GRAD SCHOOL

- What do you want to study?
  - Explore options by talking to some of your favorite faculty about fields of interest OR Research
- When Where and How to apply
- Should I go for a MS or a PhD or MS/P



**YOU'RE DONE  
WITH SCHOOL!  
NOW WHAT?**

Shiven, we are fine with this man.







# BEYOND GRAD SCHOOL

Career opportunities and  
pathways after completing  
higher education

You have become a  
professional witch, off you  
go!



# Q & A

## SHIVEN'S EXPERIENCE

Research Assistant – Autonomous Robotics LabResearch Assistant – Autonomous Robotics

- – Enhanced guide dog robot's auditory mapping in 3D space by 5.3% using isometric microphone array and DOA estimation algorithm.
- – Working on a convolutional recurrent neural network to implement sound source distance estimation for obstacle avoidance.
- – Led visual data collection, integrating a semantic-aware path planner that improved navigation safety and efficiency by 10%.

## LESS EXPERIENCED PERSON'S ADVICE

Basically, freshmen if you want to know which field to go in – CyberSecurity, AI and all that big stuff – explore it with research and see what you find it interesting.

Not everyone is born w loving robotics or AI, you work in it for sometime through research, find it cool maybe, continue ...if not, you switch – now one is off the list

**IF YOU ALREADY HAVEN'T  
QS ASKED**



ILCSOFT



# THANK YOU

JOIN US and bring your friends :)

EVERY **MONDAY 7:00 PM** AT **ILC S231**



Feedback



Resource GitHub

## PR SAID FOLLOW INSTA DISCORD