

MECH

Swipe in!

Current Squads

- Iron Man
- VR
- Synthesizer

NEW!

- Prosthetic Arm Redux
- Omni Swarm
- Parking Counter
- Farm Bot

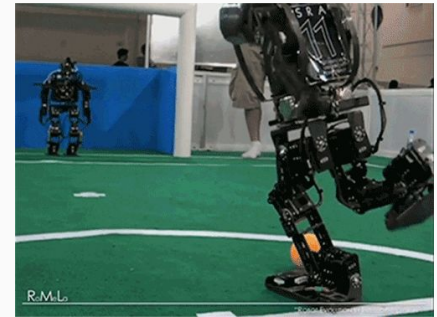


Team announcements 🔥

Also, want feedback for project? Ask us after workshop

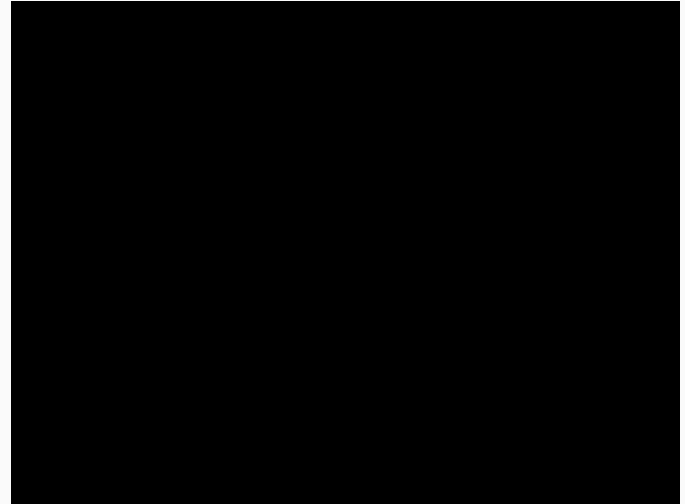
Upcoming Events

- **How To Build A MECH Project Part 2: 3D Printing and Modelling!** ~~10/4~~ **Postponed!**
NOW 10/11
- **MECH Takes Homecoming with SHPE and AIChE!** 10/12
- **MECH Takes Roboticon!** 10/12 - 10/13.
<https://roboticon.net/volunteer/>



Engineering Expo 2020!

- February 21st - 22nd, 2020
- E-board project, talk to us to learn more!
- Expo showcase form in the future
- Aim to have your projects ready to showcase!



The E-board challenge!

- Ultimate E-board showdown competition!
This time: Mario Kart!
- 4 teams, 2 weeks, one winner
- Dates, registration and rules TBA soon!
- Want to learn more? Ask our e-board



Our new website!



mechusf.club

Project Interest Form

<https://forms.gle/awXYsPuH6xi4N5BM6>



<https://bit.ly/2m6ZYuP>
Project Approval Form

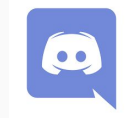


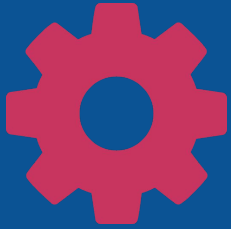
Next time on MECH...

- **Python Workshop! -- NOW!!**
- Build things -- 24/7 all day everyday



<https://discord.gg/ZvGujV>





MECH

Python Workshop

What is python?

- Interpreted, object-oriented, high-level programming language
- Web applications, graphic user interface based applications, software development application, scientific and numeric applications, network programming, Games and 3D applications and other business applications.
- Most popular programming language



```
1  x = 365
2  y = 1.2
3
4  result = x * y
5
6  print(int(result))
```

Our first program

- Hello world!
- <https://repl.it/languages/python3>

Topics

- Variables
- Input
- Output
- Comments

Let's spice it up!

Topics

- Types
- Math
- Boolean

Now what?

Topics

- If statements
- Loops
- While loops

Loops and lists

Topics

- Lists
- Tuples
- Sets
- Dictionary

Tidy it up

Topics

- Functions
- Return
- Robot use case

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Thank you for
coming!

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