

Diamondback Innovators First GBM 2/20/2023

We will begin shortly



Today's Agenda



1 About the club

2 Organization

Club Structure

3 Applications

Development Team

Outreach Team

4 Annoucements

Workshops

5 Q&A

01

About the club



Club Goals

- Apply concepts learned in University to real-world applications
- Provide industry-level experience
- Foster a community of well-rounded engineers

What you're going to learn

- Welding
- Soldering
- Coding
- Metallurgy
- Wood working
- Advanced CAD
- Project Management
- Networking
- Communication

What you're going to do

- Workshops
- Educational Seminars
- Team-based projects

02

Organization

The Club Structure



Outreach & Development Teams

Development Teams

The development teams work with real companies on engineering design and prototyping projects. This is **application-based**.

Outreach Team

The outreach team works to maintain connections with companies, other student organizations at UMD, and guest speakers. They bring new projects to the club and directly interface with companies.

What will the development team do?

Design Challenges

Design challenges open to everyone, but highly encouraged for the Development team.

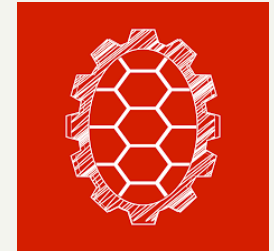
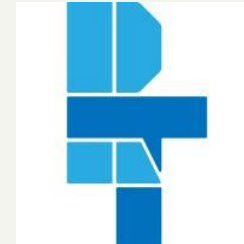
- Models used for engineering and physics lectures (wireless lightbulb)
- Water filtration devices (microplastics extraction robot)
- Arduino and PCB design
- Plenty of CAD

Company Work

Similar clubs have worked on:

- Regular to electric bike conversion kits
- Miniaturizing composting units
- Assistive suit testing gear
- Drone docking hubs
- Plenty of testing equipment

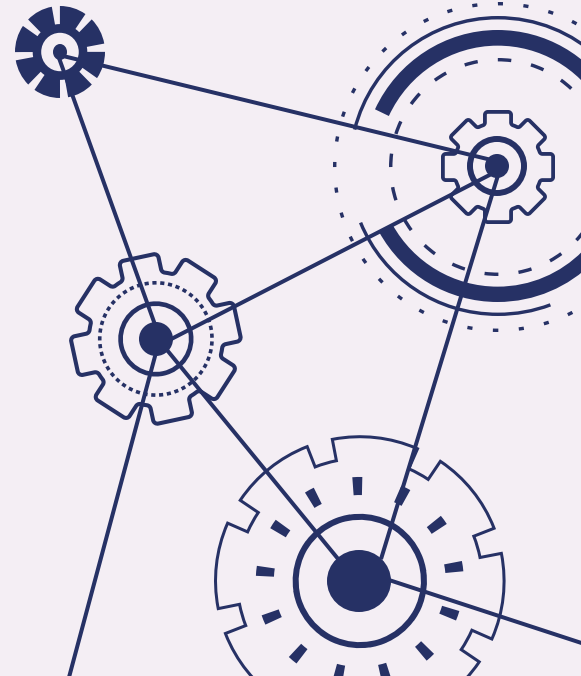
Which Companies?



03

Applications

Development Team and Marketing Team



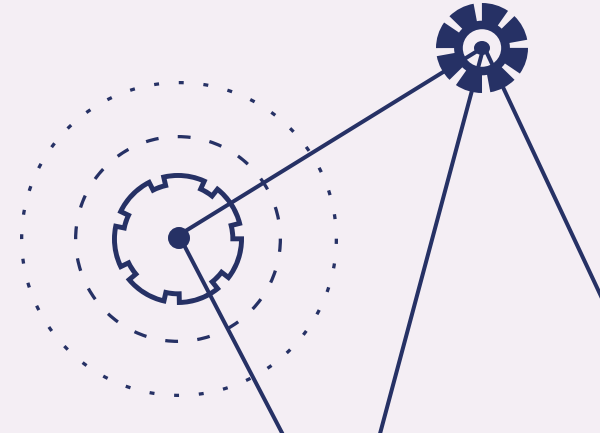
Applications open **today**

Applications Open: 2/20

Applications Due: 2/27

Interviews: 2/27-3/3

Decisions: 3/4



Outreach & Development Teams

Outreach team

Email Youssef Seifeldin
discussing your interest in the
Outreach team; no experience
needed

yseifeld@umd.edu

Development Team



[https://forms.gle/mZoSMQsZS
mmmVcHk9](https://forms.gle/mZoSMQsZSmmmVcHk9)

04

Announcements

Upcoming Workshops



Soldering Workshop

2/27 5-6:30pm

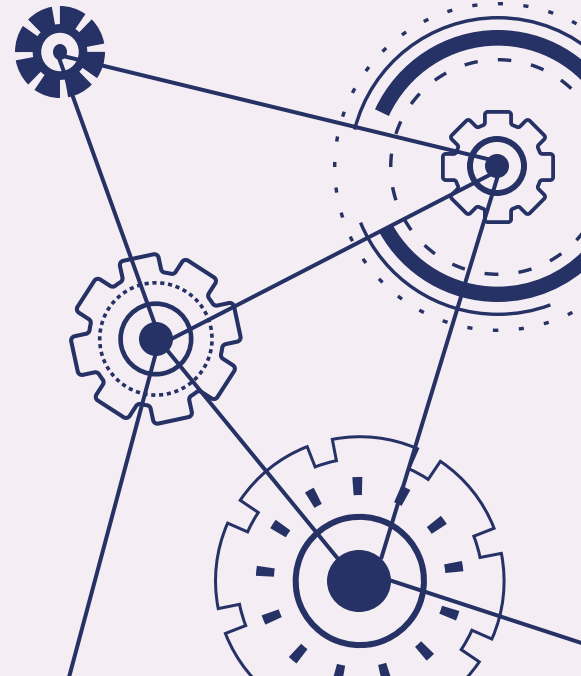
Leidos Lab

Hosted by Terrapin Works



05

Q&A



Questions?

Comments?

Concerns?

Suggestions?



Thank you!



diamondbackinnovators.org

[@diamondback_innovators](https://twitter.com/diamondback_innovators)

diamondbackinnovators@gmail.com