



ARVP

NEWSLETTER

JUNE 30, 2023

Surviving June!

With two major competition deliverable deadlines this past month, ARVP has been hard at work tackling all submission requirements for RoboSub 2023! From the exec team grinding to publish ARVP's technical paper, to our honorary admin member – Jayden Jiang – helping direct and produce an outstanding cinematic competition video, highlighting our team and robot.

Our website team has been tirelessly working on completely rehauling our [official team site](#) from scratch! But don't worry, the current state of the website is not the final product yet. So make sure to stay tuned for the next couple of iterations 😊

Last but not least, we have had an interesting mix of great and not so great pool tests this month, along with our software team hosting a couple of image labelling parties for all members to help for Arctos' vision model!

ACCOMPLISHED TASKS ✓

✓ Competition video completed!

✓ Visual servos are working on

Arctos!

MEMBER QUOTE 😎

"I'm just gonna reject everything Nathan (Project Co-Lead) does, for no reason"

- *Sam Scholnick-Hughes (Software Member)*

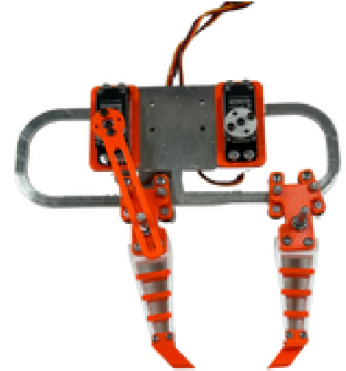
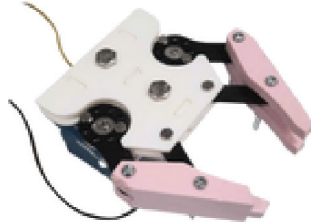
✓ Dropper is mounted on

"That's **if** Nathan (Project Co-Lead) does any labelling"

Arctos and working!

- Stevie Desmarais (Mechanical Lead)

Subsystem: Claw Insight



We prototyped three claw concepts this year and chose the curved track concept. We chose it because the grippers can tuck into the frame of Arctos when not in use and the grippers can be easily redesigned for future iterations. The claw grippers are using a soft gripper made from 3D printed TPU with PETG ribs for structure.

Testing the claw on low power!



RoboSub 2023 Competition Video

After months of hard work, ARVP has had the pleasure of sharing our competition video for RoboSub 2023! Huge thanks to our extraordinary director/producer, Jayden Jiang! Watch the adrenaline-pumping adventure on our YouTube channel!! 😊



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AUTONOMOUS ROBOTIC VEHICLE PROJECT

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