



ARVP

# NEWSLETTER

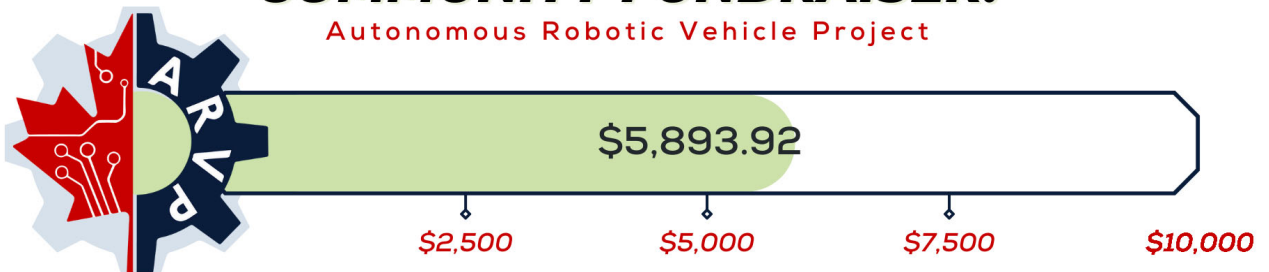
MAY, 2024

## Community Fundraiser Complete!

Hey Folks! Last Friday we closed out ARVP's community fundraiser with a total of \$5,893.92. Thank you everyone in our community that's been supporting us - we're very appreciative of your generosity! This has been massively impactful for us as the funds can be used to cover our fuel costs at competition, create critical PCB & mechanical spares, and start the upgrade process for our workspace.

### **COMMUNITY FUNDRAISER!**

Autonomous Robotic Vehicle Project



Donate: [bit.ly/ARVP\\_Fundraiser](https://bit.ly/ARVP_Fundraiser)

e-transfer: [contact@arvp.org](mailto:contact@arvp.org)

Now we'll return to our regularly scheduled monthly newsletter, with some updates about our purchases along the way. Another big BIG thank you to all sponsors, partners, faculty members, alumni, family, and friends who have donated and shown support in various other ways. We're only able to push ourselves to build great things and support our students because of the wider community's help. 😊

ACCOMPLISHED TASKS ✓

MEMBER QUOTE 😎

✓ RoboSub 2024 Qualification Run!

*"I'm a little offended that you misspelled spaghetti"*

✓ Rail Shop Pool Test Visit!

• Cole Dewis (Software Member)

✓ Community Fundraiser Done!

## Mechanical: Under Pressure!

After pulling negative pressure on Arctos, we've realized that the hull could potentially fail under pressures that can occur at the bottom of an Olympic sized swimming pool. This is because the bonder was improperly rated for marine applications. So, over the course of the next week, we'll be taking apart Arctos to redo the hull seams using a properly rated bonder as a safety precaution.

## Rail Shop Visit & Qualification Run!

During our most recent pool test, we had the honour of Rail Shop Services coming out to check out an improved Arctos in action!

We were additionally successful in executing our qualification run to qualify for RoboSub 2024!



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We had the pleasure of hosting Rail Shop Services Inc at our most recent bi-weekly pool test! We had Darrell Curilla, Rail Shop's Managing Partner and Senior Mechanical Engineer, Wendy Curilla, Engineering Technologies at Rail Shop, and Alain Letourneau, Electrical Engineer also at Rail Shop come to discuss ARVP and see Arctos.

At this pool test, we also qualified for RoboSub 2024, attempted the new torpedo task, and collected data for all new obstacles.

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AUTONOMOUS ROBOTIC VEHICLE PROJECT

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## ARVP (Autonomous Robotic Vehicle Club)

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