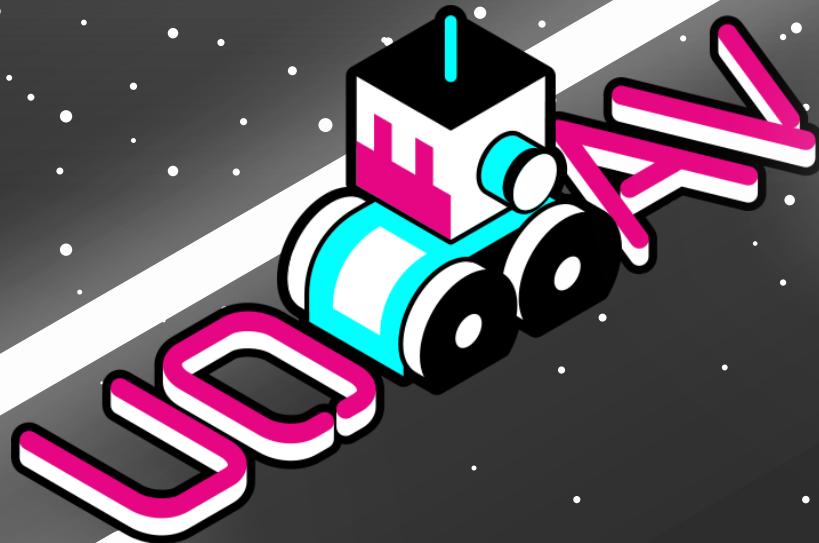




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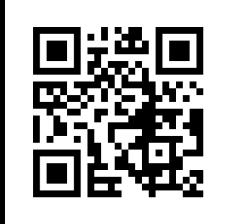
# AUTONOMOUS VEHICLES SPONSORSHIP PROPOSAL



2024

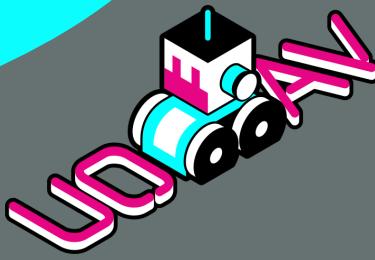
PREPARED BY

**UOAV  
TEAM**



@UOTTAWAUTONOMOUS

# ABOUT OUR TEAM



## TEAM FOUNDING

- In 2019, uOttawa Autonomous Vehicles (UOAV) was formed as a club to foster and unite various autonomous vehicle projects and research happening around uOttawa.
- This year, our focus is geared towards the Autonomous Snowplow Competition which takes place annually in Minneapolis, Minnesota and is hosted by the Dunwoody College of Technology. We are planning to compete in the competition taking place in January of 2025.

## PROJECT TIMELINE



## 2023 COMPETITION YEAR

We competed at the Autonomous Snowplow Competition in St. Paul Minnesota at the start of 2023. Placing 4th in the poster competition and preliminary design leading up to the dynamics event. However, due to electrical problems we were unable to take part in the dynamics event.



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# Project Sub-Teams



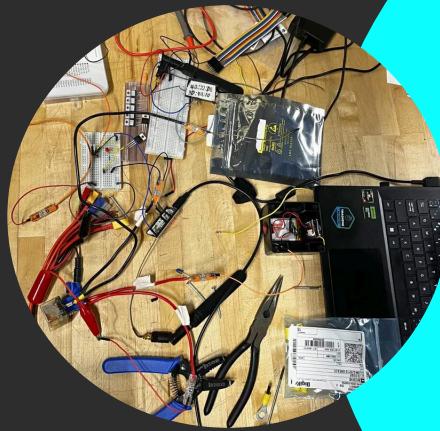
## Software

```
const [user, user] = useFirebase();
const router = useRouter();
const onSubmit = handleSubmit((data) => {
  console.log(`auth: ${tenantId} before createVeterinarian call: ${auth?.tenantId}`);
  console.log(`this should have the same fields as Veterinarian: ${createVeterinarian(data as Veterinarian)}`);
  .then((res) => {
    if (res.status === 201) {
      console.log(res.data);
      console.log(`auth before signInWithCustomToken: ${auth?.tenantId}`);
      signInWithCustomToken(auth, res.data.token)
        .then(() => {
          router.replace("/");
          console.log(user);
        })
        .catch((err) => {
          console.log(`couldn't sign in with custom token: ${err}`);
        });
    }
  })
  .catch((err) => {
    console.error(`Error creating ${tenantId} ${user}: ${err}`);
  });
});

```

The software team is responsible for the brains of the autonomous snowplow, ensuring that the vehicle can sense, plan and act accordingly. The team uses Robot Operating System (ROS) to manage the sensors and communicate with the snowplow hardware.

## Electrical



The electrical team is responsible for wiring the motor controllers, motors, batteries, e-stops and sensors in a safe and functional way.

## Mechanical



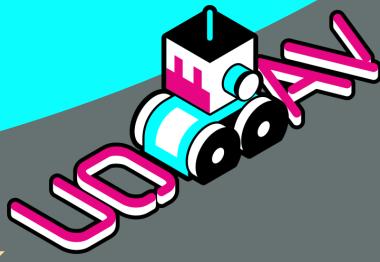
The mechanical team is responsible for designing, building and testing the overall layout of the vehicle-drivetrain, plow blade system electronics storage and weather protection.

## Marketing

The business team is responsible for student outreach, external relations, budget, sponsorship efforts, and promotion of the project.



# SPONSORSHIP LEVELS AND BENEFITS



## Gold Sponsorship Package

### Title Sponsor Benefits:

- Prominent logo placement on the autonomous plow, the official team website, and team polos.
- Exclusive recognition as the Title Sponsor on our Instagram page, with priority mentions across social media throughout the year.
- Your company name prominently announced during the event's opening and closing ceremonies.
- 7 dedicated sponsor posts across our event's social media platforms throughout the year.
- A sponsor booth at the event to showcase your brand.

\$500

## Silver Sponsorship Package

### Premier Sponsor Benefits:

- Visible logo placement on the official team website and team polos.
- Your company will be featured as the Premier Sponsor on social media posts.
- Sponsor name announced during the team's opening and closing ceremonies.
- 5 dedicated sponsor posts across our team's social media platforms.
- A sponsor booth at the event to promote your brand.

\$250

## Bronze Sponsorship Package

### Standard Sponsor Benefits:

- Standard logo placement on the team polos.
- Sponsor name mentioned in the event opening and closing ceremony.
- 3 dedicated sponsor posts across our team's social media platforms.

\$100



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# THANK YOU



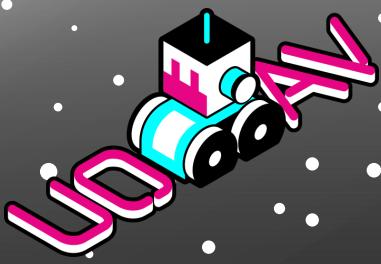
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