

PORTFOLIO

Paul Giroux

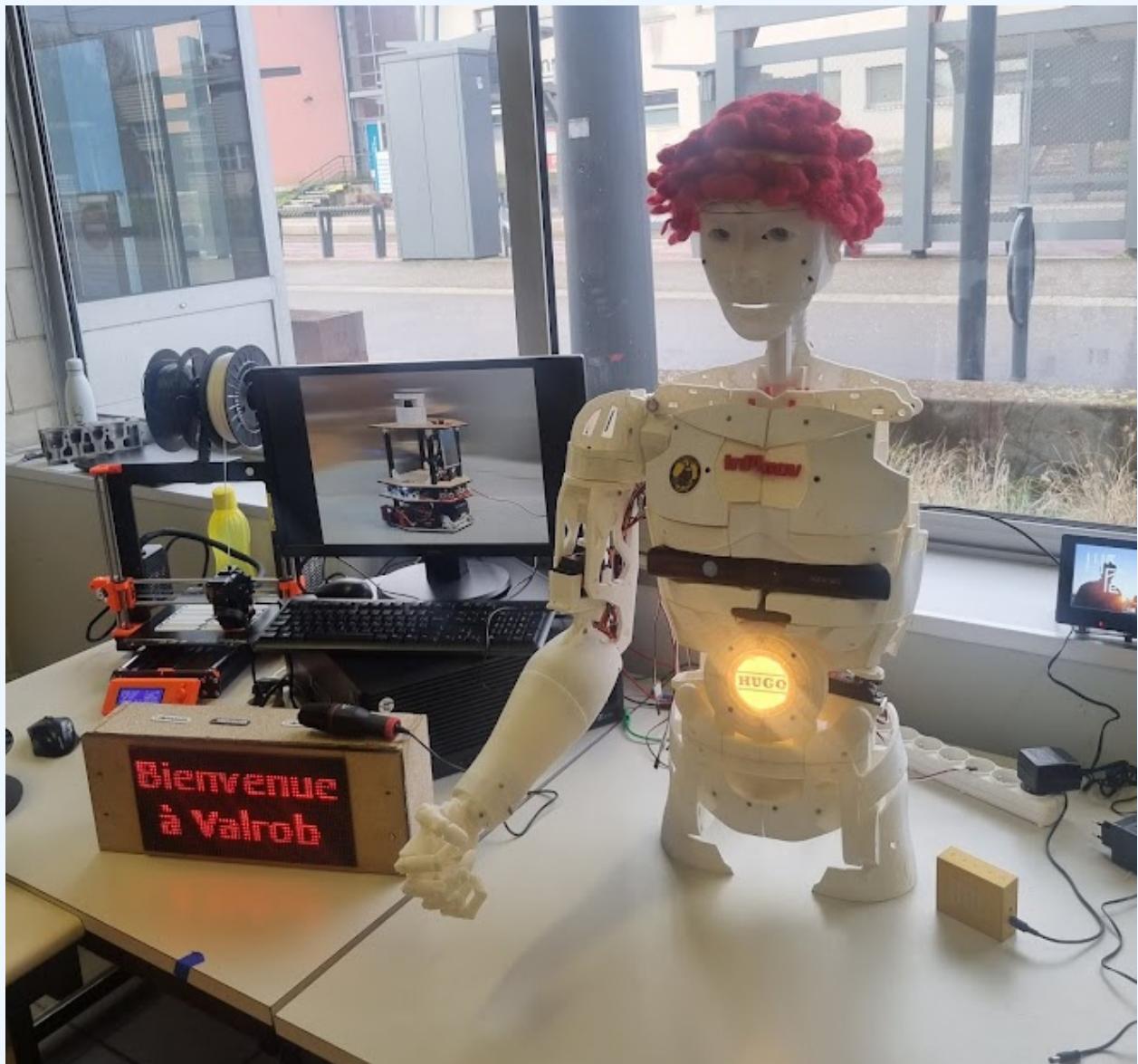
Hugo InMoov :

Start Date : 01/01/2018

link to the original projet : inmoov.fr

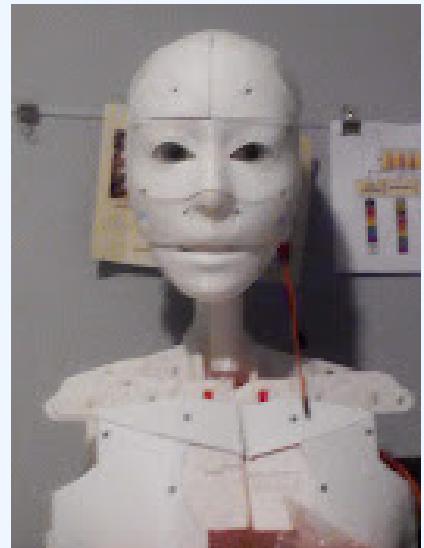
link to my project video : youtube.fr

link to hugo Instagram : Instagram



Hugo InMoov :

from Zerro to hero :



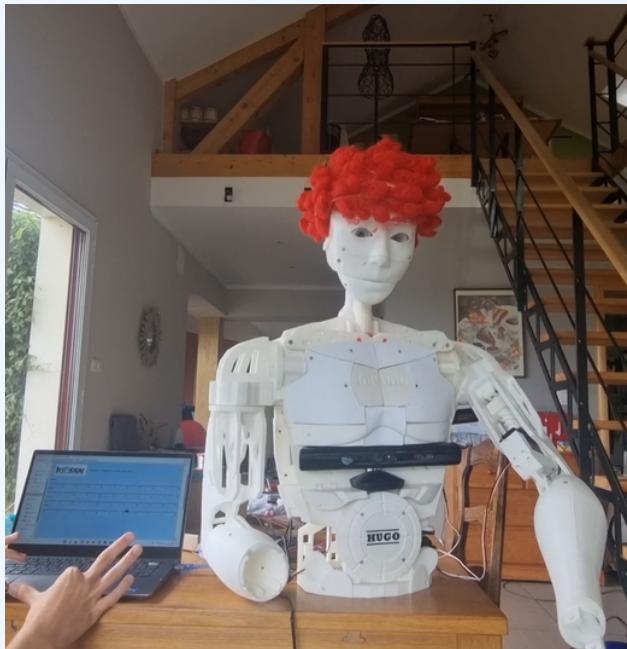
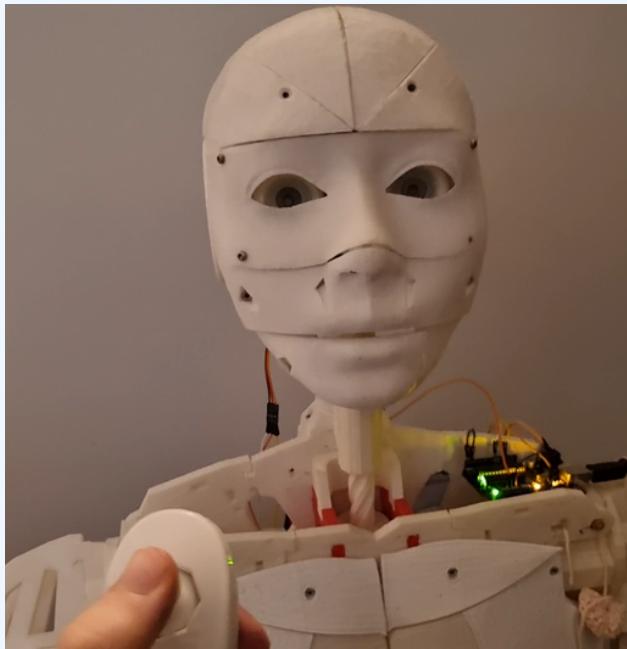
2018 | 2019 : High School



2020 : Eye light Update

Hugo InMoov :

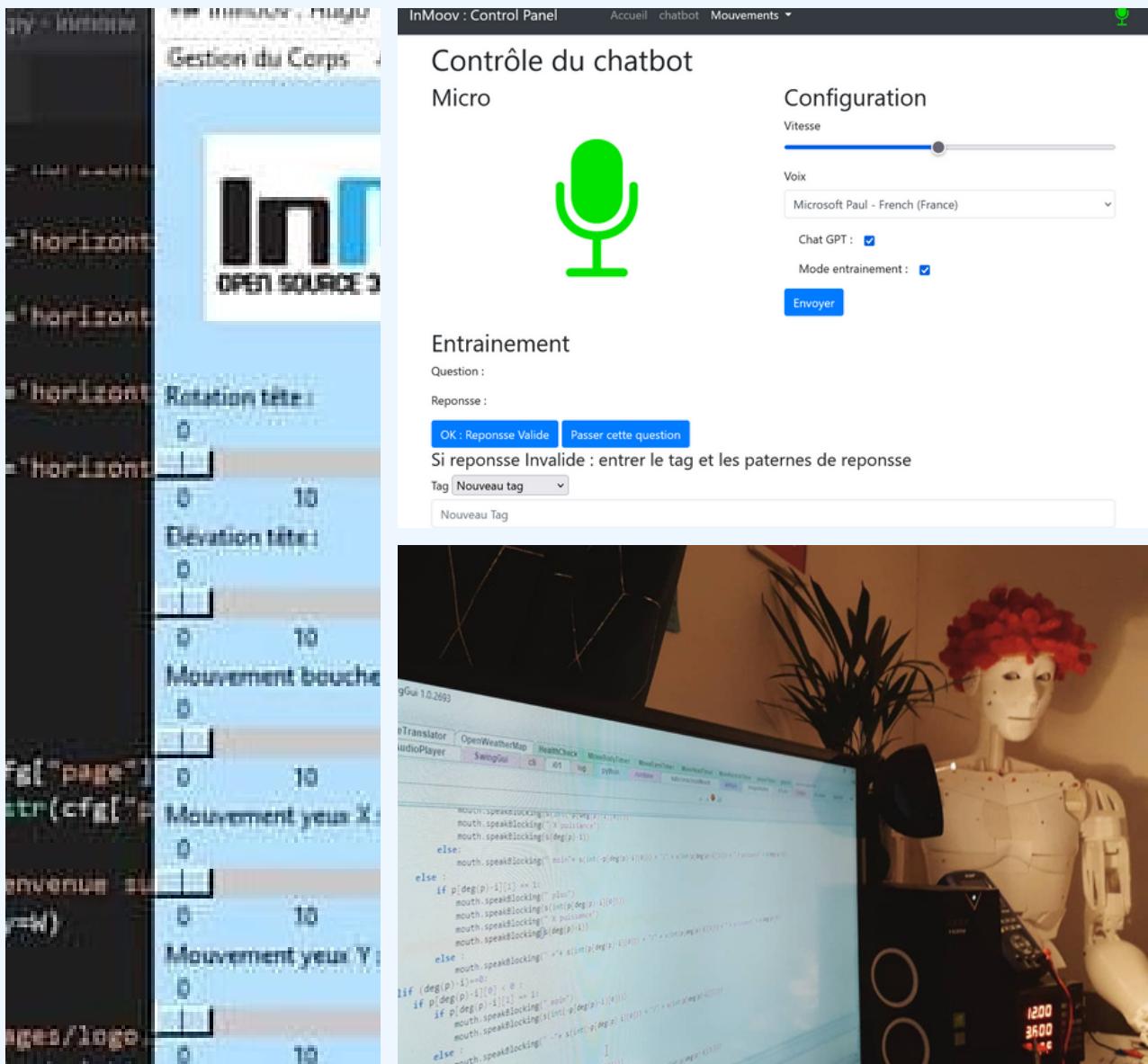
from Zerro to hero :



2020 | 2021 : Motorization

Hugo InMoov :

from Zerro to hero :

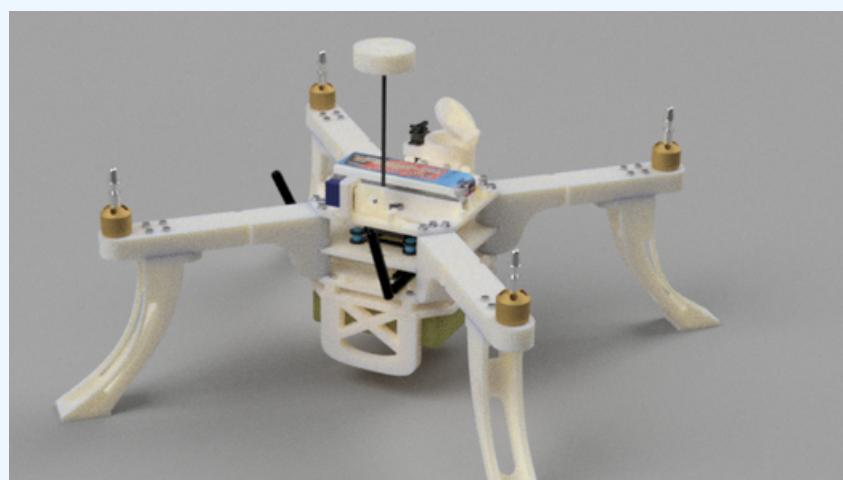
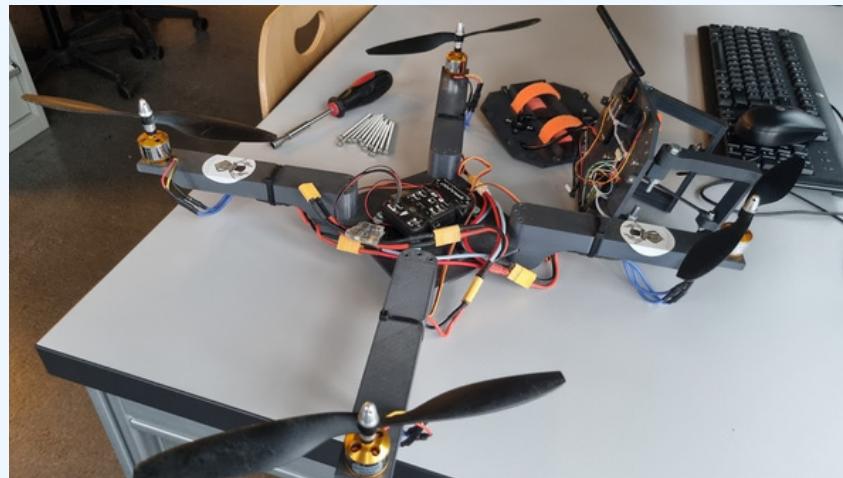


2022 | 2023 | ... : New Software with AI and NLP

- link to the GitHub project : [GitHub](#)

Drones: (team)

Dassault UAV Challenge

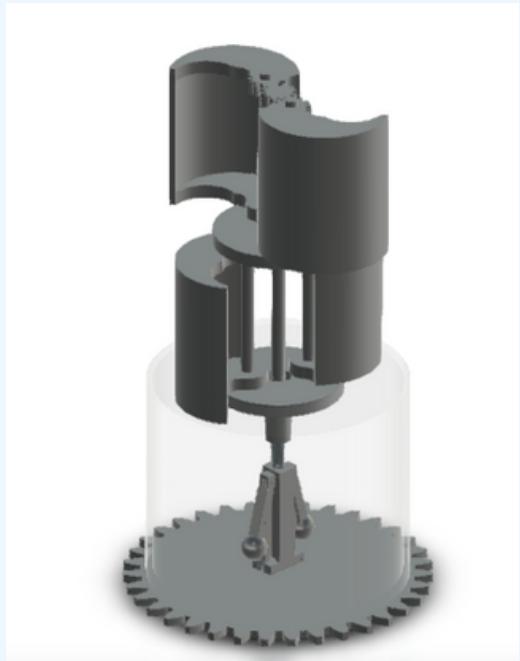


2022 | ... : Team leader for the Dassault UAV Challenge

Team leader of the school's drone team and vice president of the robotics association participating in the national drone and robot championship.

- **The project report link : [Drive](#)**
- **3D modelisation files : [Fusion360](#)**
- **Video of a fly test : [Youtube](#)**

Wind turbine: (team)



2023 : a wind turbine that shuts down automatically in case of dangerous wind

the wind turbine must adapt the opening of its blades with a watt regulator

- link to the 3D model : [Fusion](#)

Light desk:

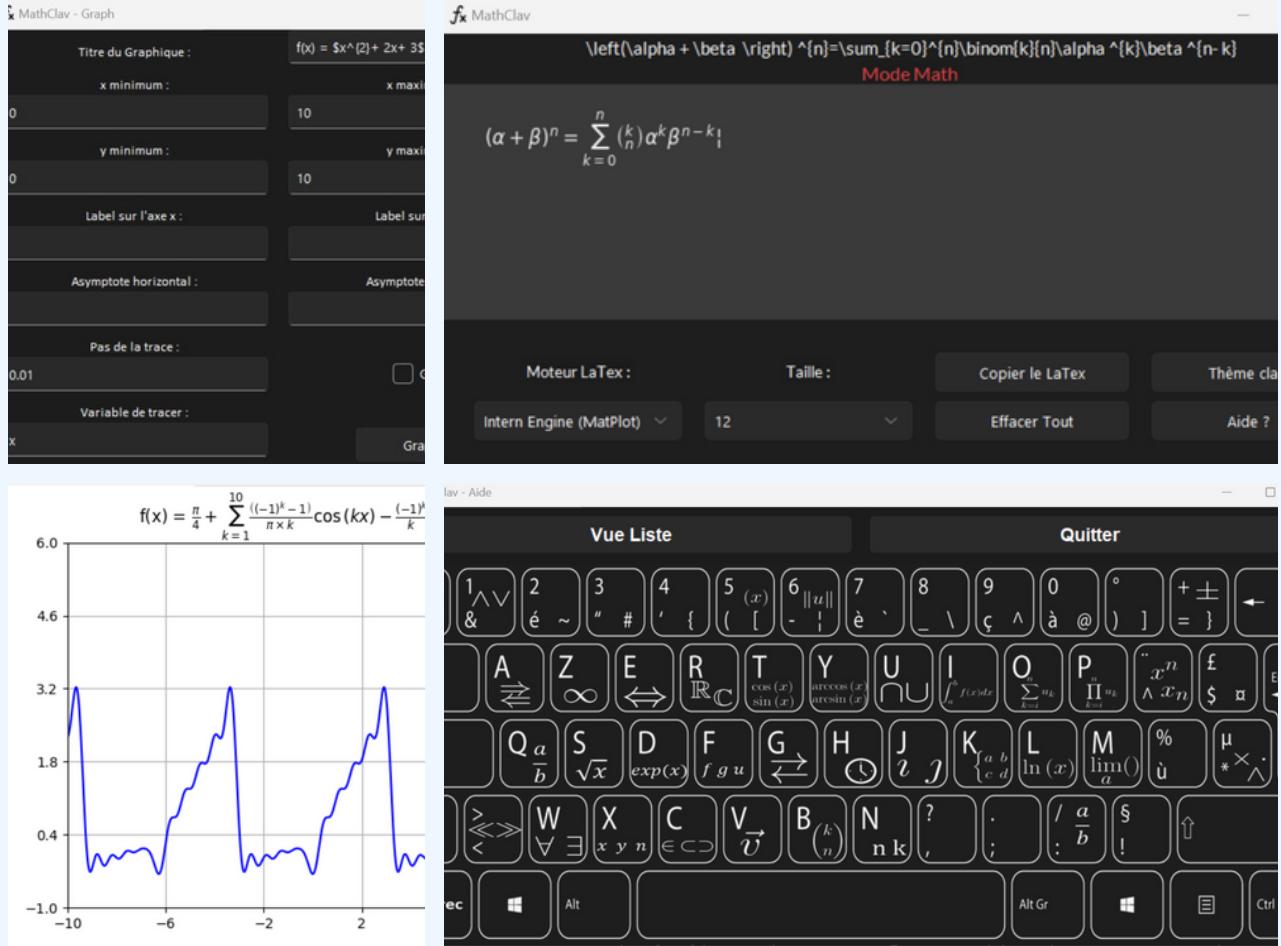


2022 : the DIY Gift

an A3 size light tablet for easy copying of drawings

- link to the 3D model : [Fusion](#)

MathClav : (team)



Summer 2022 : development of a tool to type equations in latex and draw curves

This tool is being developed in **python** to make it easier to write reports including mathematical equations. It is designed to help people with disabilities who need to use a computer in mathematics classes.

- **link to the GitHub project : [GitHub](#)**
- **available on Sourceforge : [here](#)**
- **my demo video : [youtube](#)**

Timetable software:

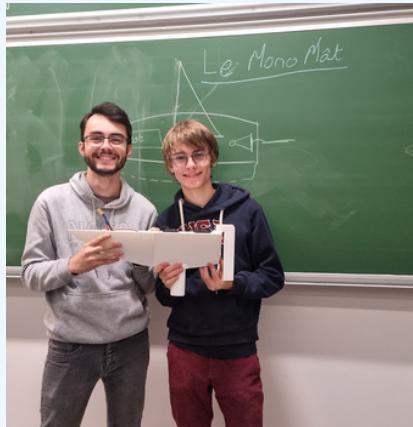
The screenshot displays a web application for managing timetables. At the top left, there's a file explorer showing PHP code for 'edt_impression.php' and 'edt_general.php'. The top right features a dashboard titled 'Emplois du temps Individualisation' with a green header and a white body containing several circular icons with icons and text: 'IMPORTER' (orange), 'EXPORTER' (purple), 'PARAMÈTRES' (green), 'LIENS' (blue), 'EDT GÉNÉRAL' (teal), 'RDV' (orange), 'PORTAIL' (red), 'EDT INDIVIDUEL' (pink), and 'IMPRIMER' (black). Below the dashboard are two main sections: a form for creating a new appointment ('new_rdv.php') and a weekly timetable view ('timetable.php'). The appointment form includes fields for 'Nom du RDV' (Reco), 'Elevés' (selected), 'Prof' (selected), 'Date' (27/02/2023), 'Heure' (16:00:00), 'Durée' (120), 'Lieu' (Salle individualisation), 'Couleur' (Individualisation), 'Statut Absence' (Non Renseigné), and checkboxes for 'Notifier Prof' and 'Notifier Eleve'. The weekly timetable view shows a grid from Monday to Friday with time slots from 08h-9h to 17h-18h. Specific times like 10h-11h and 14h-15h are highlighted in green and labeled 'Sérendyce' with details like '10:00 / 12:00 serres hortic culture'. Other times are shown in light blue or white.

2021-2022 : development of a timetable management software for a high-school

This tool is being developed in **HTML/CSS and PHP** to manage the timetable of an individualisation service in a high school. This project was made in order to help my mother in her daily work. before this she used exel sheet.

- link to the gitHub project : [GitHub](#)

Remote boat: (team)

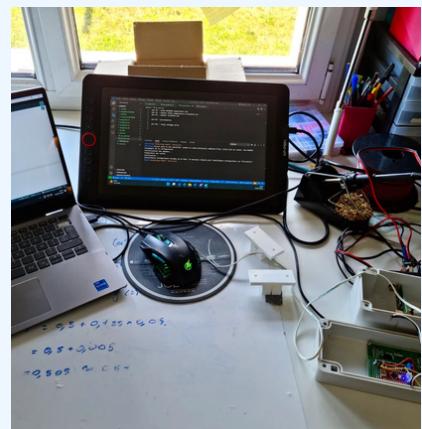
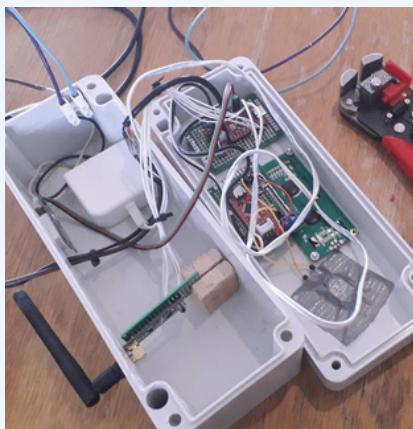


2022 : just a project with friends

a radio-controlled boat that works with the wind or with a motor

- link to the 3D model : [Fusion](#)
- link to test video with motor : [Youtube](#)

Controlled irrigation:



2021... : a weather station that collects data and controls the watering of the garden

FoliMotte: (team)

junior achievement mini compagnie



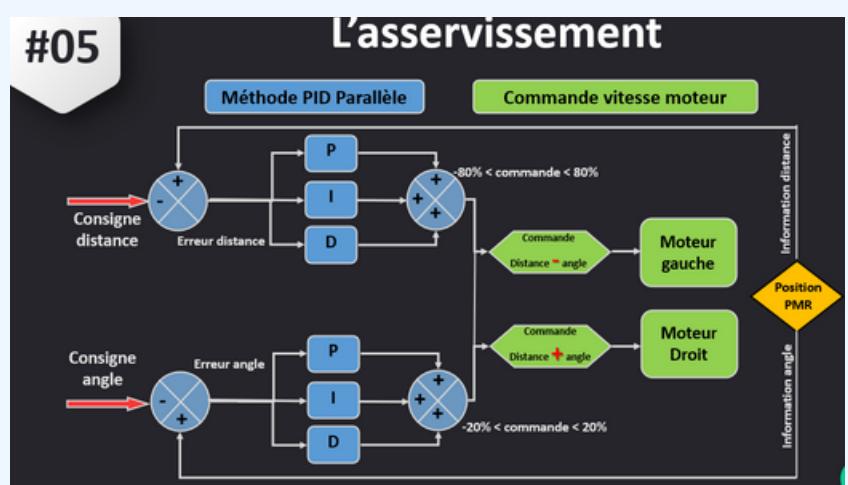
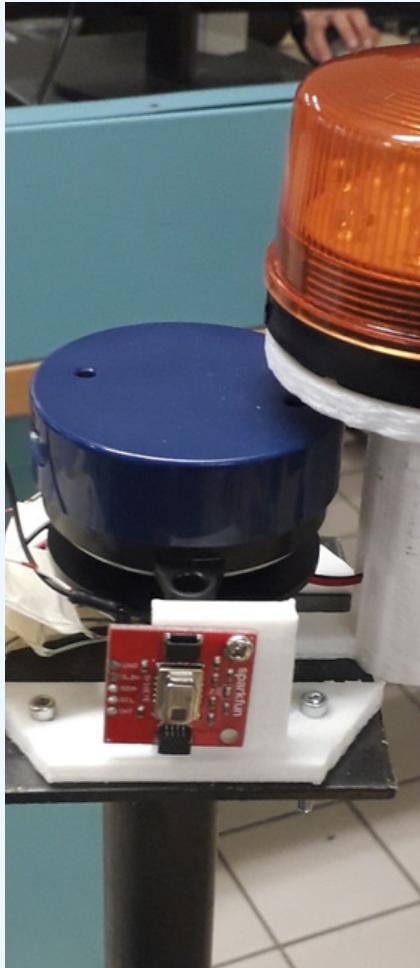
2019 | 2020 : CEO of FoliMotte a student led compagnie

design, testing and industrialisation of a gardening tool for making soil clods for sowing

Winner of the regional championship

- link to the project website : folimotte.fr

Disabled person's follower: (team)



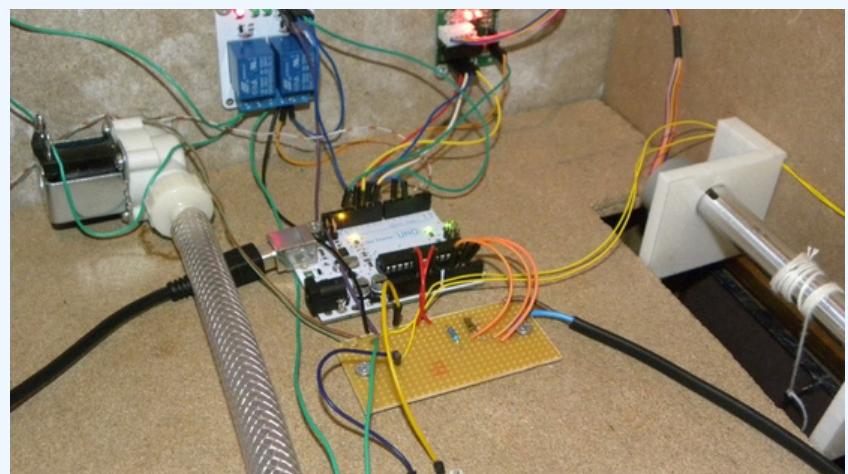
2019-2020 : bacaloreate project

design of a mobile robot that can follow disabled people around railway stations. The robot includes a lidar sensor, a thermal sensor and PID controllers.

not graded because of Covid-19

- link to the project report : [Drive](#)

Chicken coop: (team)



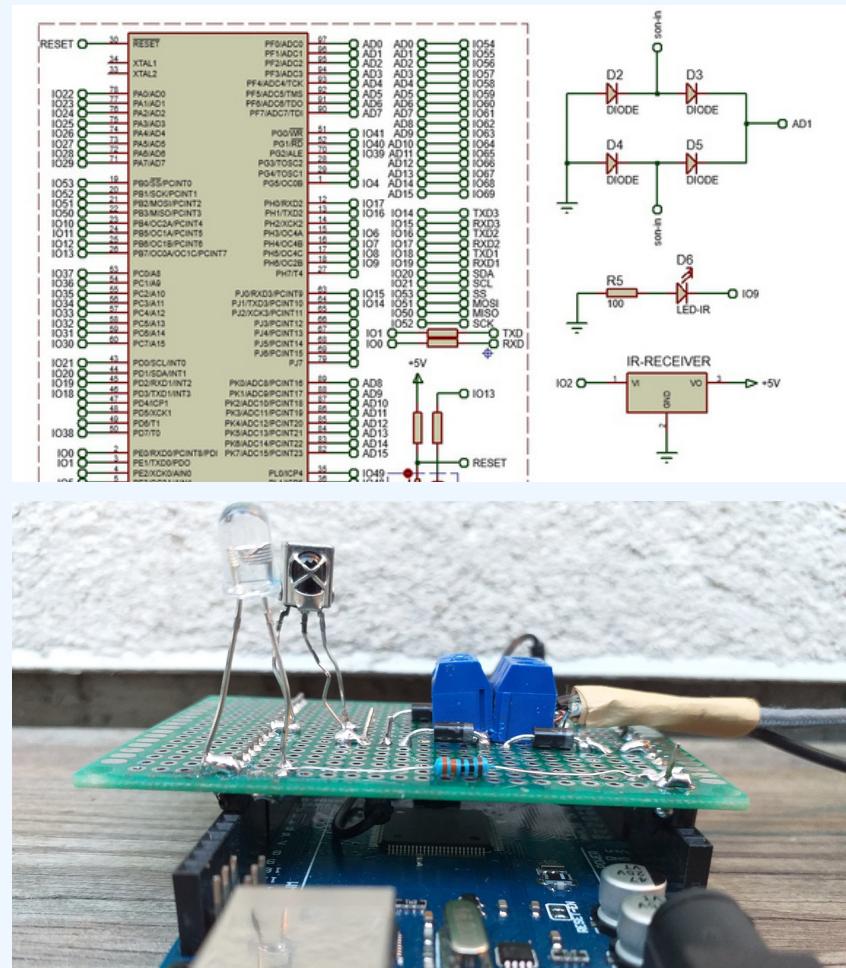
2018-2019 : bacaloreate project

conception and construction of an entire chicken coop with water and seed distribution and automatic door.

Grade : 20/20

- link to the project report : [Drive](#)

The Auto-sound:



2019 : Sound protection tools

construction of a tool that reduces the sound of the television if the volume exceeds a certain limit.
writing a report in order to participate in the inovez competition proposed by the magazine science et vie junior

- **link to the project folder : Drive**