

Meet the team



Brandon Bunuan



Miguel Murillo



Fortino Vargas

Team Photo



Team Roles

Fortino Vargas
Team Lead

Fortino Vargas
Electronics and Control Systems Engineer

- Design the electronics system, including motor drivers, power supply, and wiring.
- Set up the microcontroller for controlling the robotic arm.
- Work on the sensors to provide feedback to the system.
- Develop the control algorithms for the arm's movement and claw gripping mechanism.
- Ensure that the electrical components are safe and efficient.

Brandon Bunuan
Mechanical Design Engineer

- Design the physical structure of the robotic arm and claw.
- Select materials for durability and strength.
- Create 3D models and CAD designs of the arm and claw mechanism.
- Work on the actuators for controlling the arm and claw movement.
- Consider the range of motion, degrees of freedom, and stability of the arm.

Miguel Murillo
Systems Integration and Testing Engineer

- Integrate the mechanical and electrical systems, ensuring all components work together.
- Test the robotic arm and claw for smooth operation and performance.
- Write software to control the arm, possibly including a user interface or wireless control.
- Troubleshoot issues with the mechanical, electrical, or software components.
- Conduct tests to check load-bearing capacity, precision, and reliability.
- Ensure the camera system (for object inspection) is operational and integrated with the robot.