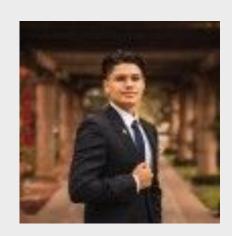
Meet the team



Brandon Bunuan



Miguel Murillo



Fortino Vargas

Team Photo



Team Roles

Fortino Vargas

Team Lead		
Fortino Vargas Electronics and Control Systems Engineer	Brandon Bunuan Mechanical Design Engineer	Miguel Murillo Systems Integration and Testing 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. 	 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. 	 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.