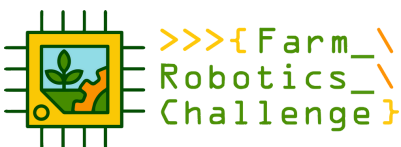


# Amiga for Education



bonsai

Leverage the Amiga as an educational tool, providing students with hands-on experience in robotics, autonomy, and precision agriculture, fostering innovation and skill development.



[farmroboticschallenge.ai](https://farmroboticschallenge.ai)

The Farm Robotics Challenge is an annual competition that empowers student teams—from secondary school through university—to design and prototype cutting-edge robotics solutions for real-world agricultural challenges. Using Bonsai technology, students gain hands-on experience with robotics and AI, expand their networks, and showcase their talent to industry while competing for major prizes.

## BENEFITS

**Hands-on experience:** Provides a tangible, real-world robotics platform for practical learning and skill development.

**Empowerment through open source:** Access to an open-source platform fosters innovation and allows for experimentation and modification.

**Entrepreneurial launchpad:** Facilitates the transition from research project to startup, aligning with institution's innovation initiatives.

**Career advancement:** Equips students with in-demand skills in robotics, AI, and AgTech, enhancing their career prospects.



# AMIGA FOR EDUCATION

Amiga for Education is modular and open by design so students can build like they would with Lego blocks. Add, remove, or replace blocks without worrying about overall stability or functionality.

## MODULAR ARCHITECTURE

Customize Amiga with interchangeable implements for tasks like seeding, weeding, and harvesting.

## AI-POWERED AUTOMATION

With field navigation and teachable routes, students can automate repeatable tasks and streamline workflows.

## OPEN DEVELOPER KIT

Bonsai's open APIs enable seamless integration and automation, allowing students to create tailored solutions.

## ALL-ELECTRIC POWER

Featuring zero emissions, the Amiga runs for up to 8 hours on a single charge, supporting sustainable farming practices while reducing operational costs for growers.

## HEAVY-DUTY PERFORMANCE

With a payload capacity of up to 1000 lbs, the Amiga can handle tough farm jobs like hauling harvest bins and spreading compost.

## REMOTE CONTROL

Remote operation and cloud integration enable precise control and real-time monitoring from any location.

## MOBILE BASE SPECS \*

Ground Clearance	24.1 in / 61.2 cm
Base Weight	350 lbs / 160 kgs
Drivetrain	4x 250 Watts Hub Motors
Energy Capacity	1.32 kWh [Dual Pack] 2.64 kWh [Quad Pack]
Speed	5 mph / 8 kmph
Haul	950 lbs / 430 kgs
Tow	2000 lbs / kgs
3 Point Lift	800 lbs / 360 kgs



*\*Contact us for specs on I/Os, compute, sensors, and more.*

## Contact Us

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