

Alex Morgan

Professional roboticist | alex.morgan@example.com

Profile

Hands-on roboticist with two years of capstone professional experience in protected power systems, sensing and control integration, field diagnostics, and customer pilots. Works across engineering, product, and operations to make useful machines dependable.

Professional experience

Harvest Commons | Robotics Integration Lead

August 2031 – July 2032

- Integrated tactile sensing, actuation, and Python test tools for an adaptive gripper.
- Defined bounded contact and release behavior, then helped translate the prototype into a customer pilot with explicit operating limits.

SafeReach | Electronics Lead

August 2030 – July 2031

- Developed protected power delivery for an inspection rover and authored protection and harness design notes.
- Investigated field resets, reproduced faults, and recorded the reasoning behind design corrections.

Selected skills

Electronics and power protection; sensing and control integration; mechanical integration; Python test tooling; field diagnostics; technical communication; product pilots; multidisciplinary collaboration.

Publications and invention

- Fault-aware power delivery for field robots — coauthor, Campus Robotics Research Series, 2031.
- Low-cost tactile feedback for adaptive gripping — coauthor with Maya Chen, Campus Robotics Research Series, 2032.
- Confidence-aware tactile control for adaptive grippers — co-inventor, patent application filed in 2032; pending.

Education and additional work

University of Impact | Class of 2032 | Robotics specialty

Summer Founders Program distinction; OpenShelf venture proposal. Mentored Common Motion builders in sensing, control, and practical debugging. Partner contribution: Canopy Systems irrigation prototype.

Professional references

Jordan Lee, Mechanical Lead, SafeReach; Sam Rivera, Product Lead, Harvest Commons; Devon Walsh, Operations Lead, Regional Food Partnership. Their references and supporting work appear in the digital diploma.