Samira Ellis Vaughn

Robotics Engineer · Packaging Automation

robotics-engineer@example.test
Grand Rapids, United States

Experience

2022-02 – Present **Robotics Engineer**
Silver Dune Automation

- Commissioned two carton handling cells and verified the robot interfaces with conveyors, sensors and line controls.
- Revised the vision recipe for cases with variable print contrast. Rechecked detection on 240 labelled samples and documented the settings used for acceptance.
- Created operator guidance for retaking a missed pick. Median recovery fell from 96 to 58 seconds in successive sets of 20 observed recoveries.

2019-06 – 2022-01 **Automation Integration Engineer**
Cobalt Marsh Packaging

- Prepared offline robot paths from plant layouts and reviewed tool clearance with mechanical designers.
- Maintained commissioning checklists and submitted functional test records to the site safety reviewer.

Skills

Robot integration · Machine vision · Fault recovery · Acceptance testing

Summary

Robotics engineer integrating packaging cells and developing recovery routines for production teams. Tests normal operation and fault recovery with operators before final acceptance.

Education

2019 **BS Robotics Engineering**
Great Heron Polytechnic

Languages

English · Spanish