

Kyrylo Bielhryvtsev

Test Engineer, Autonomous Vehicles

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Summary

Test engineer with 3+ years validating safety- and mission-critical software, from autonomous vehicle mapping and planning to financial-services platforms. At Zoox, gets depots and 100+ destinations in six U.S. markets ready for driverless ride-hail, coordinating a ~20-person offshore team with operations, engineering, product, and leadership. B.S. in Aerospace Engineering.

Experience

Zoox, Inc.

Test Engineer

2026 – Present

Depots

- Built and validated zones for 10+ depot lots across two cities (charging, staging, storage, cleaning, repair, pickup/drop-off), authoring pbtxt definitions landed through reviewed PRs and CI.
- Built park and get-on-road simulation suites for every parking space across test and driverless vehicles; triaged planner and motion failures from logs.
- Root-caused a map pipeline defect that blocked validated fixes from simulation, restoring test signal for the team.

Destinations

- Drove 100+ hotels, event venues, and airports through a five-phase readiness funnel, from manual traversal and zone build to autonomous testing, log review, and sign-off to live service.
- Built zones for complex sites such as airports (accessible loading zones, airline-specific doors, curb rules) with product and partner teams.

Coordination, data collection, and tooling

- Coordinated a ~20-person offshore team and served as test liaison between operations and engineering, turning new planner features into test plans and reporting risk and blockers to leadership.
- Scheduled data collection across depots and destinations (zone accuracy, dispatch, app hailing, post-change re-collection, gates and ramps); led in-market testing on site in Las Vegas and Miami.
- Prototyped Python and AI-assisted tools (Claude Code, Cursor) for zone consistency checks, per-space simulation results, 3D depot views, and status tracking.

Advanced Testing Instructor & Operator

Jan 2025 – Mar 2026

- Validated 1,000+ autonomous test miles across general, pickup/drop-off, and highway missions, including vulnerable road users, lane merges, and semi-trucks.
- Ran release-validation and regression testing across 20–60 feature branches per release; trained new operators on missions including stability, mapping, and geofence validation.
- Tested at multiple proving grounds, supported a four-month Los Angeles city launch with extensive mapping, and installed a weather sensor kit in Miami.

Informative Research

QA Engineer

2022 – 2024

- Tested credit-decisioning software end to end; wrote and ran TestRail cases, triaged defects in Jira, and validated backend services with Postman.

Skills

Test and validation	Simulation, proving-ground and on-road testing, log triage, root-cause analysis, test plans, regression
Technical	Python, bash, protobuf (pbtxt), Git/GitHub (PRs, code review, CI), Jira, TestRail, Postman, MATLAB/Simulink
AI tools	Claude Code (plugins, skills, MCP servers), Cursor

Education

San Jose State University – B.S., Aerospace Engineering