

KEN ANDREW

EXPERIENCE

Reliable Robotics / Remote Piloting Test Engineer

2025 – Present

- ➔ Designed, built, tested, and maintained flight simulators and remote piloting stations
- ➔ Supported flight operations as control center support engineer
- ➔ Demonstrated simulator and control center technology for investors, FAA, NASA, military

Hyster-Yale / Robotics Software Engineer III

2023 – 2025

- ➔ Implemented an automation-first test strategy for robotic forklifts in Python, C, C++
- ➔ Performed testing using CAN tools such as Vector CANalyzer, CANdb++ , CAPL Script
- ➔ Installed, configured, and tested SICK safety systems, lidar sensors, 3D cameras
- ➔ Certified on Class I-V powered industrial trucks

Verizon Robotics / Principal Robotics R&D Test Engineer

2021 – 2023

- ➔ Developed comprehensive test plans for ground and aerial robotic systems
- ➔ Installed systems using fabrication, networking, cellular, programming, ROS, Linux skills
- ➔ Executed operations in various environments: warehouses, boats, fields, mountains
- ➔ Authored ground robotics safety plan for primary testing facility
- ➔ OEM trained on Boston Dynamics Spot: SDK/API (Python), Arm, CAM+

Skyward (Verizon) / Director of QA, Flight Operations Lead

2016 – 2021

- ➔ Software QA and flight test engineer for highest priority projects including first 4G drone
- ➔ Trained and oversaw safe and compliant flight operations for 12 pilot team
- ➔ Procured and managed inventory of 60+ drones and 100+ smart devices
- ➔ PIC and SME in high visibility events: CEO demos, Super Bowl commercial
- ➔ Grew team from 1 to 12 QA engineers
- ➔ Received 2018 award for Audacity

SKILLS

Management

Admin-level Jira, Confluence, BitBucket, GitHub, TestRail, Wrike, Asana, Polarion, Redmine

Development

Python, CAPL, C, Xcode, Android Studio, Git, Cypress, JavaScript, ROS, Linux

Aerial

DJI Mavic/Phantom/Inspire/Matrice, Parrot, Skydio, Delair UX-11, Hoverseen, Cessna 152/172

Terrestrial

Class I-V forklifts, Boston Dynamics Spot, Ubiquity Magni, RGo Ai Engine, Knapp Shuttle

EDUCATION

Embry-Riddle Aeronautical University

MS Unmanned Systems, Concentration in Human Factors

BS Aeronautics, Minors in Aviation Safety and Management

CERTS

Federal Aviation Administration

Commercial Remote Pilot + Private Pilot

University of Southern California

Aviation Safety and Security