Software Engineer, Simulation

Location

Remote, Amsterdam, Berlin , Dublin, Frankfurt , Italy , London , Munich, Paris , Poland, Stockholm, United Kingdom (Remote), Toronto - Remote, Atlanta - Onsite

Employment Type

Full time

Location Type

Remote

Department

Engineering

Overview Application

Who We Are

AeroVect is transforming ground handling with autonomy, redefining how airlines and ground service providers around the globe run day-to-day operations. We are a Series A company backed by top-tier venture capital investors in aviation and autonomous driving. Our customers include some of the world's largest airlines and ground handling providers. For more information, visit www.aerovect.com.

You Will

- Develop and maintain simulation test strategies and frameworks for autonomous driving
- Design, implement, and execute simulation models and test suites
- Collaborate with cross-functional teams to define key metrics and ensure system reliability
- Automate simulation tests within CI pipelines for comprehensive coverage

- Analyze simulation data to drive performance improvements
- Optimize test & simulation environments for scale and efficiency
- Maintain best practices in test design, documentation, and validation

You Have

- Bachelor's in Computer Science, Electrical Engineering, Robotics, or related field
- Strong proficiency in C++ and Python
- Experience with autonomous vehicle software stacks (ROS/ROS2)
- Familiarity with Linux and standard software development processes
- Experience with simulation and testing tools (e.g., NVIDIA Omniverse, Applied Intuition, Foretellix)
- Excellent communication and collaboration skills

We Prefer

- Master's in Computer Science, Robotics, or related field
- Testing & simulation experience in high-complexity, safety-critical systems
- Background in automated testing, data analysis, and CI/CD

Apply for this Job