



## Internship

# System Identification for High-Velocity Quadcopter Controls

We are a start-up company based in California, USA, that builds UAV systems to have a real-world impact in Ukraine. We are currently looking for an intern to work on system-identification for high-velocity drone controls, who is motivated to put their engineering skills to work for the security of Ukraine, Europe and the world.

You will be given responsibility starting day one, and contribute towards the mission of the company by bringing cutting-edge research to live on a real system. The duration of the internship is 4-6 months.

The goal of this internship is to build a high-fidelity quadcopter model to be used for drone controls at high velocities. Relevant topics for this internship include

- Nonlinear System Identification
- Uncertainty Estimation
- Control Theory and Dynamical Systems in general

In addition to having an understanding of the topics above, it would also be helpful to

- Work towards a Master's in Mechanical / Electrical Engineering, Computer Science, Robotics or a related field
- Be familiar with motion-capture systems
- Have first experience with Quadcopters / PX4 / ROS

## Contact

If you are interested in this internship / would like to learn more, please reach out with your CV and transcripts to [drone.sysid.internship.ukr@gmail.com](mailto:drone.sysid.internship.ukr@gmail.com).