

Position: Autonomous Farm Summer Interns



Research Group:

Field Robotics Engineering & Sciences Hub (FRESH), UIUC Autonomous Farm

Position Description:

We are looking to hire undergraduate summer research interns to help out with our research in autonomous farming. In particular, we are looking for individuals interested in helping us develop, manage, and optimize traditional and modern farms. Your responsibilities will include farm planning, management activities, data collection, data annotation, aiding in development and field testing of machine vision, mapping and control algorithms for autonomous robotics systems for autonomous farming. Successful candidates will be responsible for assisting in agronomic and engineering activities at the UIUC autonomous farm. The candidate is expected to work in person (with University COVID protocol guidelines) in the office at [UIUC autonomous farm](#) since the work involves in-field presence.

Expected Qualifications:

1. Experience and interest in managing and optimizing small agricultural fields, such as a polyculture of berries, nuts, and fruit, or small research farms (corn, soy)
2. Experience in collecting and recording data for agricultural projects
3. Keen interest in learning about and working with agricultural robotics systems, such as TerraSentia field phenotyping system, and the farmbot system (www.farm.bot)

Bonus Qualifications:

1. Knowledge of programming
2. Training in developing and managing polycultures
3. Experience in working with the farmbot system

Expected hours/week: 30-38 hours per week (also flexible to 10-20 hours per week)

Contact:

To apply, send current resume to Dr. Naveen Uppalapati uppalap2@illinois.edu and Prof. Girish Chowdhary girishc@illinois.edu. Visit www.daslab.illinois.edu and <https://digitalag.illinois.edu/autonomous-farm/> to check out what we do.