

## Graduate Research Assistant Position (Ph.D.)

**Position description:** A Graduate Research Assistant position is available with Dr. Yu Jiang in the Department of Biological and Environmental Engineering at Cornell University. The successful candidate will conduct research on the development of multimodal sensing robots for the detection and quantification of plant stress for specialty crops.

**Location:** Cornell AgriTech, Geneva, NY

**Qualifications:** Candidates must have: 1) bachelor's and master's degrees in one of the Engineering branches (Agricultural, Biological, Electrical, or Mechatronics) or a related field with strong background in designing, sensing, and data analytics; 2) academic experience with biology and/or agriculture; 3) a demonstrated ability to work independently to solve complex problems; and 4) strong written and oral communication skills. International applicants should fulfill the minimum English language proficiency required by the Cornell Graduate School and Graduate Field:

<https://gradschool.cornell.edu/admissions/prepare/english-language-proficiency-requirement/>.

**Preferences:** Candidates are preferred to have proficient programming skills in both Python and C/C++, knowledge of agriculture (particularly viticulture), and experience in 3D

design and prototype fabrication. Experience with thermal/hyperspectral imaging, deep learning framework (e.g., PyTorch), and robot operating system (ROS) are highly desired.

**Salary and Benefits:** The successful candidate will be fully funded with full tuition and an annual stipend.

**Anticipated Start Date:** Spring or Fall 2022

**If you are interested in this position, please email a statement of interest, your CV and transcripts to Dr. Yu Jiang ([yj522@cornell.edu](mailto:yj522@cornell.edu)).**