

## Postdoctoral Position In-orchard & Postharvest Automation

A postdoctoral research associate position is available in [Dr. Yuzhen Lu](#)'s group in the Department of Biosystems & Agricultural Engineering at Michigan State University. The selected candidate will work in **in-orchard & postharvest automation** for specialty crops (e.g., apples, blueberries, vegetables). This position is an initial 12-month opportunity with the possibility of extension, and it be started in Fall 2023 or on other agreed starting date.

The successful candidate is expected to assist with leading research efforts in sensing, machine vision, and artificial intelligence (AI)/robotics for harvest enhancement and fruit quality detection, generate high-quality peer-reviewed publications, and engage in other activities such as grant proposal development and class teaching as needed. The postdoc will meet regularly with Dr. Lu to discuss best practices in experiments, manuscript preparation, mentoring, and other tasks. Successful candidates need to be *creative, self-motivated, adaptive, dedicated*, collaborate in multidisciplinary environments, and communicate research outcomes actively through journal publications and deliver presentations at conferences.

### Minimum Requirements

- The successful candidate must have a PhD degree in Biosystems/Agricultural Engineering, Computer Science, Electrical Engineering, Mechanical Engineering, or closely related fields.
- Successful candidates are expected to have demonstrated research experience evidenced in peer-reviewed publication records in computer vision, mechatronics, and or AI/robotics.
- Strong computer programming skills are necessary in C++, Python, and Matlab.
- The candidate is expected to have excellent scientific writing and communication skills.

### Desired Qualifications

- Engineering skills in design, prototyping, and integration are desirable.
- Prior experience in the development of real-time machine vision systems for fruit harvesting or sorting is an advantage.

### Contact

If you are interested in applying for the position, please submit: 1) a cover letter describing research experience and qualifications, 2) updated CV, and 3) contact information for three references, to Dr. Yuzhen Lu at [luyuzhen@msu.edu](mailto:luyuzhen@msu.edu). Review of applications will commence immediately and proceed until the position is filled. Video interviews may be scheduled for potential candidates.

