Hourly research position available

We seek undergraduate students to work on a computer vision application that tracks biological growth in image sequences. A key part of the work will test, improve, and harden an existing prototype, and ensure that the web app wrapper on CyVerse (formerly iPlant) is robust, well documented, and easy to use. A second part of the project will be running computational experiments that use the tracker to extract quantification of the growth and relate them to genetic data. The project has significant potential to lead to publications.

This project is a collaboration between Kobus Barnard (Computer Science) and Ravi Palanivelu (Plant Sciences).

The focus of the project is on the public interface of the application. Knowledge of computer vision or machine learning is not needed.

Desired qualifications

   Able to commit 10 hours per week to the project through April 2017.

   Good record in software development (can include course work).

   Experience with at least some of Linux, Python, BASH, and C/C++ (for core application)

   Interest in computer vision and interdisciplinary applications.

We are able to hire more than one person, and the precise number of hours per week can be negotiated. We can also consider graduate students, However, we are not able to hire students who are in the U.S. on a student visa.

Compensation

This position pays an hourly wage commensurate with experience and will be competitive with the rates for undergraduates with similar experience working on research. The position ends April 30, 2017.

To apply, please email a CV and recent transcripts (scanned PDF documents are fine) to Kobus Barnard (kobus@cs.arizona.edu).