Position Available: Image processing Technician

Job Description:
A great opportunity for a computer science or environmental engineering student interested in focusing on image processing applications and data analysis. Student will process and analyze data from UAS missions, including the generation of high resolution mosaics, 3D renderings and radiometric calibration of multispectral imagery. Strong proficiencies in programming and image processing recommended.

Duties
- Process UAS mission imagery
- Generate high resolution mosaics and 3D renderings
- Coordinate with UAS Flight Crew
- Develop and test image processing algorithm to draw certain features for crops
- Develop new methodologies for analysis

Qualifications
- A demonstrated passion for creative arts and engineering
- An energetic self-starter with the ability to adapt quickly and readily learn new skills
- Confidence to work independently, and as a team, and show consistent initiative is a must
- Able to identify when a change is required, and take the initiative to implement or recommend the change appropriately
- Proficiency with Matlab/Simulink, especially on the image processing toolbox
- Experience with 3D modeling software such as MeshLab or Blender
- Experience with photography and image restoration/touchup recommended

Example Projects
- Generate 3D renderings of tree canopies and measure canopy volume
- Detect water stress for almond trees

Submit Cover Letter and Resume to Tiebiao Zhao, tzhao3@ucmerced.edu