From:	Buckmaster, Dennis
To:	Hardebeck, Yvonne L; Zimmerman, Nicole K; Mixon, Lela B; Wiercioch, Jane E.
Cc:	Hirschfeld, Will; Fruth, Brad R.
Subject:	FW: Beck"s Innovation Team intern 2024
Date:	Thursday, October 12, 2023 8:39:34 AM
Attachments:	image001.png
	image002.png

Please share this via newsletters, etc. I tried to pull Will's info into a short post for you here …

Beck's Hybrids is looking for an intern in summer of 2024 to generate an image library of soybeans to unlock some next-level agronomy practices for mid-western farmers. The intern should be interested in computer vision, robotics and have a little agricultural experience. The candidate would need to be a self-starter who can work with a little direction, problem solve in the field and collect and deliver quality data. The intern will also have a chance to help with other Beck's Innovation Projects. There is some flexibility in working around conflicts or limitations with working days or hours. Some remote work would be allowed but most of it will be on site in Atlanta, IN with specialized equipment. The main task is data collection and technology troubleshooting since it is still somewhat in the beta stage.

Graduate and Undergraduate students are encouraged to apply. Beck's will assist to find a rental house in Atlanta, IN which might be shared with other interns.

Here is a link from Verdant robotics, a Beck's partner for building the imagery database: https://www.youtube.com/watch?v=sV0cR_Nhac0. They also have a small test rig that we use to collect data.

Interested students should contact Will Hirschfeld, Project Manager of Beck's Innovation at will.hirschfeld@beckshybrids.com or 317-771-4480.

Dennis

Dennis R. Buckmaster
Professor of ABE | Dean's Fellow for Digital Agriculture
ABE 2041M 765-496-9512

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From: Hirschfeld, Will <will.hirschfeld@beckshybrids.com>
Sent: Wednesday, October 11, 2023 4:34 PM
To: Buckmaster, Dennis <dbuckmas@purdue.edu>
Cc: Fruth, Brad R. <brad@beckshybrids.com>
Subject: Re: Beck's Innovation Team intern 2024

---- **External Email**: Use caution with attachments, links, or sharing data ----

Dennis,

Great questions.

Main task will be data collection and trouble shoot the tech, still somewhat in beta.

Yes, to your second point. Spring time to reproductive maturity would be ideal for soybeans but we could late plant for imagery only plots and not harvest.

We would likely be able to find a rental house here in Atlanta, might be a shared house with other interns.

Thanks,

Will Hirschfeld
Cell: (317) 771-4480

On Oct 11, 2023, at 4:14 PM, Buckmaster, Dennis <dbuckmas@purdue.edu> wrote:

Hi Will,

I am glad to help share the opportunity. Just so I understand a little better …

1. Will the charge be more to acquire the data or do analytics on data?
2. Would you consider a graduate student intern taking a break from regular programming to get some industry experience?
3. Is the on-site at HQ in Atlanta? And do you have a system to help them find short-term housing?

Dennis

Dennis R. Buckmaster
Professor of ABE | Dean's Fellow for Digital Agriculture
ABE 2041M 765-496-9512

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From: Hirschfeld, Will <will.hirschfeld@beckshybrids.com>
Sent: Wednesday, October 11, 2023 4:08 PM
To: Buckmaster, Dennis <dbuckmas@purdue.edu>
Cc: Fruth, Brad R. <brad@beckshybrids.com>
Subject: Beck's Innovation Team intern 2024

Good Afternoon Dennis,

I hope you are doing well. This fall has been busy for Beck's, we are expecting some funding that will allow us to build an imagery library of soybeans that will unlock some next level agronomy practices for mid-western farmers. To pull this off Brad and I are looking for an intern next summer who is interested in computer vision, robotics and has a little ag experience. The candidate would need to be a self-starter who can work with a little direction, problem solve in the field and collect and deliver quality data.

I would love if you could pass along this request to anyone you think would be interested or could help. This position would be focused on our computer vision project but would also have a chance to help with other Beck's Innovation Projects. We would be flexible in working around conflicts or limitations with working days or hours, some remote work would be allowed but most of it will be on site with specialized equipment.

Here is a link from Verdant robotics who we have partnered with to build our imagery database, we also have a small test rig that we use to collect data (pictured below)
        Verdant link: https://www.youtube.com/watch?v=sV0cR_Nhac0

Amiga test rig:
<image001.png>

Thanks and please reach out with any questions!

Will Hirschfeld
Project Manager - Beck's Innovation
<image002.png>

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