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Iowa State Student Organization Highlight:

Cyclone Power Pullers

The Cyclone Power Pullers design and build a garden size pulling tractor each year for an International Student Design Competition put on by the American Society of Agricultural and Biological Engineers (ASABE). The tractors are designed from scratch and fabricated and built by students on the team. The ISU Cyclone Power Pullers competes in the ASABE 1/4 Scale Tractor Student Design Competition and have been competing since its beginning in 1998. Team members gain practical experience in the design of drivetrain systems, tractor performance, manufacturing processes, traction force analysis, weight transfer, strength of materials, safety and testing. Throughout the year, team members also develop competencies in leadership, communication, teamwork, initiative, and safety awareness.

You can check out past tractor models as well as pictures from competitions throughout the years on their website:
http://www.cyclonepowerpullers.org/
https://www.facebook.com/cyclonepowerpullers/
Company Introduction:

Kubica Corporation

Kubica Corp. is a full-service, multi-discipline engineering company that takes pride in developing innovative, custom solutions for clients in the automotive, industrial, agricultural, pharmaceutical and petroleum markets. We provide clients with the edge they’ve been searching for by leveraging our team resources that include experienced and advanced engineers in the manufacturing, mechanical, electrical, industrial, controls, software and chemical fields. We tackle challenges from turn-key project management to continuous operations improvement opportunities.

RECRUITER INTERVIEW

What are you looking for when hiring an engineering intern/-full-time employee?

Kubica Corp hires for 80% cultural fit and 20% technical ability. We expect an Engineer coming out of ISU’s engineering program will have the tools and technical ability to do the work – the better question is will they have the passion and drive to execute at a high level. The right candidate will be humble yet have self-efficacy, intelligent and strengthen the cohesion of our team.

What is unique about Kubica?

We truly care about our employees and our clients. Every day we are challenged with problems dealing with manufacturing in plant environments. A win with our clients not only makes their life easier or more profitable but it strengthens our employees competencies, grows their experience and ultimately advances their career.

Our people are our greatest assets and every day we get a chance to show it.

What do you like about Kubica?

- Carol (New Business Development Leader): We have a very open and collaborative environment that promotes innovation. We never say, “that is the way we always do it” – we challenge our engineers to disrupt the status quo. Every day is different and the work we do involves bleeding edge technologies. We look for early adopters in our client base and employees that are entrepreneur type thinkers.

- Brandon (Mechanical Leader): I enjoy Kubica Corp because of the open-minded, highly-collaborative environment that we are involved with on a daily basis. The responsibilities that Kubica invests into each individual puts emphasis on career growth for the individual and creates many high-functioning opportunities for each team member. Each project is unique and presents challenges; it is a great feeling to work alongside individuals who are willing to collaborate and coach you (or be coached themselves) in functional areas that you want to grow. The entire company truly cares about each individual and wants to bring out the best in one another.

- Proma (Industrial Engineer): Collaborative environment – you’re not fighting the war on your own. Encouraging leaders – you’re not expected to know EVERYTHING before being given responsibilities. But, you’re not thrown under the bus; team leads always have our backs. Freedom – to manage time and work as you see fit, keeping in mind that you are accountable for the work you do.

What do you find challenging about Kubica?

- Proma (Industrial Engineer): Since a lot of the work we do is very unique to our company and clients, it’s sometimes hard to define a specific right way to execute tasks. Dennis calls this the “healthy struggle” where you don’t know if what you’re doing is right/wrong but you have to keep doing, learning, making mistakes, and correcting yourself.

- Brandon (Mechanical Leader): The fast-paced, complex projects make each day unique and brings the best out in each team member.

Any other interesting facts you would like to include?

- Proma (Industrial Engineer): Team rapport building stuff like lunches, BBQs, chili cook off, KNOs, War room – everyone is always accessible.

- Maryann (Marketing): We are a work hard, play hard company with strong diversity. We care for and respect our employees and their opinions make us stronger every day. It is a great place to work, fun and dedicated to becoming the best engineering team.

- Carol (New Business Development Leader): Our organization has 5 engineering disciplines: Electrical Engineer, Mechanical Engineering, Industrial Engineering, Software Developers, Chemical Engineer. This allows us to provide a full service solution to our clients. Most of our projects involve a software, controls and mechanical engineering component – this allows our engineers see problems in different ways - not just focused on their area but the whole process.

Kubica Corp.
https://www.kubicacorp.com/#5

We have a golf simulator/training facility attached to Kubica Corp, called Kubica Golf. We play a lot of golf here.
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**Transfer Student Visit Days**
The visit day allows transfer students to tour Iowa State’s campus, meet with Admissions staff to discuss next steps in the transfer process, and attend an engineering information session related to your adventure at Iowa State University.

**Upcoming 2018 Dates:**
- January 30
- February 13
- February 27
- March 6
- April 10
- April 24

**Location:** Iowa State University

**Register:** [http://www.admissions.iastate.edu/visit/transfer.php](http://www.admissions.iastate.edu/visit/transfer.php)

For more information visit [http://www.admissions.iastate.edu/visit/](http://www.admissions.iastate.edu/visit/)

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**Transfer Student Orientation** is not the same thing as a visit day – it is a vital part of getting ready to be an ISU engineering student. When you attend orientation, you meet with your academic adviser and register for your first semester’s classes. Sign up now if you have been accepted to continue your studies at Iowa State during 2018. **Once you accept your admission, orientation information is emailed to you.** Be prepared to attend orientation by knowing which engineering major you want to pursue and taking the online ALEKS math assessment prior to orientation, if required.

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**Transfer Admission Process Checklist**  [www.admissions.iastate.edu/transfer/checklist.php](http://www.admissions.iastate.edu/transfer/checklist.php)

Keep up on important deadlines – stay on track by following the guidelines recommended on the transfer application checklist. As an E-APP member, you are one step closer to being admitted to Iowa State, but you must still officially apply for admission. You can complete that first step as early as one year in advance of your intended ISU start date.

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**On Facebook?**
Join our E-APP Facebook group to stay connected to what’s going on in the College of Engineering and across the Iowa State University campus. Highlights include events, awards, class projects, and competitions. We’ll try to post new items at least once a week.