



WANDERING SHEPHERD

1825 West Ray Road, Suite 2107

Chandler, AZ 85224 | www.WanderingShepherd.com

COMPUTER SCIENCE (INTERNSHIP May – August 2020)

Wandering Shepherd is a technology company that has developed an IoT device called the Wireless Rumen Bolus.

The Wireless Rumen Bolus (WRB) is an Autonomous Livestock Monitoring system that monitors the health and location of livestock, all while hidden inside the rumen, undetectable from rustlers.

The WRB monitors

- Temperature
- Identification
- Location
- Illness & Disease Detection
- Heat & Calving Detection
- Livestock Traceability
- Theft Protection
- Battery life up to 5+ years
- Retention Rate >99.99%
- Alerts Messenger

We are currently seeking multiple students

Computer Science Position

Imagine an internship where you get the chance to apply knowledge gained in the classroom to a real-life environment.

Students will have the ability to take what they learned in class and put it to work in real-world applications.

Some of the areas you will be working on

- Use Terrestrial RF propagation software to map out Base Station location for network
- Setting up and testing of Base Stations and WRB's in the field, recording results
- Setting up and testing pilot projects across North America
- Develop and build AI applications including Alexa and Facial Recognition
- End user Analytics and Monitoring dashboard for desktop, mobile and auto
- End-to-end encryption, secure Internet of Things network backend

Academic Requirements

- Open to all University of Arizona Computer students
- Students must have completed at least one year of University
- Ability to work independently and in a team environment.