

CONTACT
INFORMATION

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EDUCATION

University of Florida, Gainesville, Florida USA

Ph.D., Animal Sciences, January 2023 - Present

- Advisor: Dr. Haipeng Yu

University of Florida, Gainesville, Florida USA

M.S., Electrical and Computer Engineering, December 2022

Wuhan University of Science and Technology, Wuhan, Hubei CHINA

B.S., Electrical and Computer Engineering, July 2020

WORK
EXPERIENCE

Department of Animal Sciences

University of Florida, Gainesville, Florida USA

- Graduate Research Assistant 01/2023 - present
- Intern 10/2022 - 12/2022

PREPRINTS

2. **Wang J**, Xiang L, Morota G, Wickens CL, Miller-Cushon EK, Brooks SA, and Yu H. Technical note: ShinyAnimalCV: open-source cloud-based web application for object detection, segmentation, and three-dimensional visualization of animals using computer vision. *arXiv*. doi: [arXiv:2307.14487](https://arxiv.org/abs/2307.14487)
1. Bi Y, Campos LM, **Wang J**, Yu H, Hanigan MD, and Morota G. Depth video data-enabled predictions of longitudinal dairy cow body weight using thresholding and Mask R-CNN algorithms. *arXiv*. doi: [10.48550/arXiv.2307.01383](https://arxiv.org/abs/10.48550/arXiv.2307.01383)

PEER REVIEWED
JOURNAL ARTICLES

2023

1. Bi Y, Campos LM, **Wang J**, Yu H, Hanigan MD, and Morota G. Depth video data-enabled predictions of longitudinal dairy cow body weight using thresholding and Mask R-CNN algorithms. *Smart Agricultural Technology*. doi: [10.1016/j.atech.2023.100352](https://doi.org/10.1016/j.atech.2023.100352)

CONTRIBUTED
PRESENTATIONS

2023	3. Oral presentation “Impact of cross-validation strategies on machine learning- and deep learning-based cattle behavior predictions using tri-axial accelerometer data” at annual UF IFAS Animal Science Graduate Symposium. St. Augustine, Florida, Oct 13, 2023
2023	2. ShinyAnimalCV: Interactive web application for object detection and three-dimensional visualization of animals using computer vision. ASAS-CSAS-SSASAS Annual Meeting. Albuquerque, New Mexico, July 16-20, 2023
2023	1. Poster presentation “ShinyAnimalCV: interactive web application for object detection and three-dimensional visualization of animals using computer vision” at the 2023 Future of Food Forum - Transforming Food Systems with Artificial Intelligence. Mar 21, 2023
SOFTWARE DEVELOPMENTS	<p>Computer vision software</p> <ul style="list-style-type: none"> • ShinyAnimalCV - https://github.com/uf-aiaos/ShinyAnimalCV