

Jin Wang

jin.wang@ufl.edu • 352-328-2372

EDUCATION

University of Florida, Gainesville, Florida USA
Ph.D., Animal Sciences, January 2023 - Present

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 2016

PROJECTS

ShinyAnimalCV 01/2023-07/2023

- Designed an open-source, cloud-based computer vision web application for object detection and segmentation, three-dimensional visualization, as well as 2D and 3D morphological feature extraction.

Handwritten Digits Classification 02/2021-05/2021

- Designed a model that recognized and categorized digit images to the right classes. Compared different classification algorithms, such as K-nearest neighbors and support vector machine, on the digit dataset classification. Proposed a convolutional neural network (CNN). The CNN model achieved relatively high accuracy in both testing sets (~96%).

Text Emotion Recognition 02/2020-05/2020

- Designed a model of natural language processing by combining crawler technology, data preprocessing, word2vec emotion word vector training, and long short-term memory neural network to recognize four emotions: “happiness”, “anger”, “sadness”, and “fear”. The model achieved a relatively high accuracy of 89%.

FluAntigen 05/2022 – 10/2022

- Designed a web application that can achieve three functions: database searching & retrieval, antigenic relation network inference, and antigenicity prediction using influenza A virus convolutional neural network model.
- Used neo4j database to import data found on WHO and CDC.

WORKING EXPERIENCE

Research intern with Dr.Md Jahidul Islam. 02/2021 – 05/2021

- Re-engraved a project related to an unsupervised salient object detection program with high accuracy.
- Learned to use the software Autodesk to make a model for underwater surface vehicles.
- Learned basic knowledge about salient object detection and underwater robots.

Research intern with Dr.Ruogu Fang. 02/2021 – 06/2021

- Completed the Coursera machine learning courses.
- Finished MONAI tutorials and attended MONAIBootcamp2021 in Project MONAI. Learned some basic artificial intelligence knowledge and trained an artificial intelligence model following the tutorials.

COMPUTER SKILLS

Languages: Java, MATLAB, Python, R, SQL
Tools: AWS, Git, MapReduce, Spark