

# Jin Wang

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## EDUCATION

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**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

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### 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

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### 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

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*Languages:* Java, MATLAB, Python, R, SQL

*Tools:* AWS, Git, MapReduce, Spark