Yishi Wang

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EDUCATION

University of Illinois Champaign-Urbana, Champaign, IL   2020/08 – 2024/05

Bachelor of Science, Mathematics – Applied Math

Relevant course work: Calculus, Linear Algebra, Real/Complex Analysis, Numeric Analysis, Probability Distribution, Time Series Analysis, Graph Theory

PROFESSIONAL EXPERIENCE

CellsVision - Guangzhou, China   2024/06 – 2024/12
Intern Algorithm Engineer

- Updated and tuned the deep learning network for a cervix pathology assistance program, with significantly increased sensitivity and improved F1-score and specificity
- Conducted a survey on current SOTA computer vision networks and presented the result
- Finished translations of two academic journals

Industrial and Commercial Bank of China - Qingdao, China   2023/06 - 2023/08
Intern Lobby Manager

- Assisted dozens of customers in obtaining credit card for studying and traveling in western countries

PROJECTS

Sentiment Analysis on the Ukraine and Russia War: With the Aspects of Weibo and Twitter   2022/12

- Conducted a sentiment analysis on over 300,000 comments from two major social platforms to observe how opinion differs based on cultural and political backgrounds
- Performed up-sampling and down-sampling to handle data imbalance

The U.S. Airline Population Traffic Time Series Analysis   2024/05
- Conducted time series analysis on U.S. airline passenger traffic data from 2003 to 2023, identified seasonal trends and forecasted passenger distribution for the next three months
- Analyzed the impact of COVID-19 on airline traffic

A Multi-Class Gastric Biopsy AI Model developed from Whole-Slide Histopathology Images: A   2024/09
Retrospective and Prospective Study
- Cleaned a dataset including more than 20,000 WSIs for the retrospective experiment
- Constructed the figures and flowcharts from data

EXTRACURRICULAR

UIUC-CSSA   2021/09 - 2024/05
- Participated in editing and producing recruitment videos, which were uploaded to major U.S. social media platforms. The most viewed one achieved over 40,000 clicks
- Organized and planned several ice-breaking activities during new member recruitment, with participants number ranging from 50 to 100

SKILLS

Programming languages: Python, R, SQL, LaTeX

Computer software/ frameworks: Overleaf, Microsoft Office, Microsoft Azure, Git, TensorFlow, PyTorch

Languages: English(advanced), Chinses(advanced)