

Ziye Chen

Boston, MA • (857) 961-9101 • ziyechen@bu.edu

EDUCATION

Boston University

Boston, Massachusetts, USA

M.S. in Artificial Intelligence, GPA: 3.7/4.0

Sept 2023 - Present

Nanjing Tech University

Nanjing, Jiangsu, China

BSc in Mathematics, GPA: 3.5/4.0

Sept 2019 - June 2023

RESEARCH INTEREST

Large Language Model, Computer Vision

PROJECT EXPERIENCE

Election Narratives through Prompt Engineering with ChatGPT

Spring 2024

Used Gmail API to extract the required emails from election related email accounts as data

Creating charts to analyze basic information about political parties

Used prompt to analyze emails merged every week.

(Github: https://github.com/BU-Spark/ds-donovan-election-narratives/tree/team-d_final/sp24-team-d)

Chinese OCR through a CRNN Architecture with Attention

Spring 2024

Implemented a Convolutional Recurrent Neural Network (CRNN) architecture, enhancing the contextual understanding of the text.

Enhanced the model with an attention mechanism to improve focus on relevant segments of the input

Make schematics of the model structure

UBC Ovarian Cancer Subtype Classification and Outlier Detection

Fall 2023

Compressed images by Gem pooling (each image in the dataset is larger than 1GB in size)

Enhanced image compression techniques and trained an EfficientNet_b0 model to increase classification accuracy

Utilized boosting techniques for the model and increased accuracy from 65% to 85% with boosting (Ten independently trained EfficientNet_b0 models voted results)

TECHNICAL SKILLS

Languages: Proficient in Python, MATLAB, R, C, C++, Java, SQL

Development Environments: Skilled in using PyCharm, Jupyter Notebooks, and Anaconda for efficient coding, data analysis, and machine learning model development

Tools/Technologies: PyTorch, TensorFlow, EfficientNet, Github

AWARDS

The First Prize Scholarship in 2022-2023

The First prize of C/C++ Programming in Jiangsu Division of the 11th Lanqiao Cup National Software and Information Technology Talent Contest

The Excellent Award of C/C++ Programming in National Finals of the 11th Lanqiao Cup National Software and Information Technology Talent Contest

OTHER EXPERIENCE

Vice-Chairman of Programmers Association in Nanjing Tech University

2020-2022

- Organized the Python course for beginners
- Organized the forum for solving programming problems

Attended The 45th ICPC Asia Regional Programming Contest

2021