

Riteng Zhang

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EDUCATION

Boston College

B.A in Mathematics; GPA: 3.819/4.00

B.A in Computer Science; GPA: 3.829/4.00

Minor in Philosophy; 3.866

Boston, US

Sep 2020 – Present

Sep 2020 – Present

Sep 2020 – Present

WORK EXPERIENCE

Blossoms ai (Startup)

Co-founder and Machine Learning Engineer

Boston, Massachusetts, United States (Remote)

May 2023 – Present

- In charge of research, decisions, and coding workings related to artificial intelligence
- Back end coding using Pytorch customized models, hugging face models, LLMs APIs for many different usages expected in our product
- Front end coding for some of our web pages, using React

Boston College

Machine learning Teacher Assistant

Boston, Massachusetts, United States

August 2023 – Present

- Hold office hours each week, and give homework feedback as grader
- Participated in innovations of the course, and wrote sample code for topics in VAE, GAN, attention to assist teaching

RESEARCH EXPERIENCE

Boston College

Research Assistant for Professor Emily Prud'hommeaux

Jan 2023 – Present

- Large ASR Model Evaluation for Under-resourced Language
- Language Models Evaluation for Neuroatypical Language

PUBLICATION

Leveraging LLMs and MLPs in Designing a Computer Science Placement Test System

In Proceedings of CSCI 2023

Yi Li*, Riteng Zhang*, Danni Qu*, Maira Marques Samary

INDEPENDENT RESEARCHES

Interpretability of Large Language Models and Their Emergent Abilities

Honors Theses, advised by Professor Emily Prud'hommeaux

April 2023 – Present

Interpretability of Inception and its Variants

Independent Study, advised by Professor Sergio Alvarez

July 2023 – Present

CS placement test automation framework

Blossoms ai research, advised by Professor Maira Samary

May 2023 – Aug 2022

Evaluation of LLM Few-Shot Ability when Expecting Formatted Output

Independent Study, advised by Professor Emily Prud'hommeaux

Nov 2023 – April 2022

AWARDS & ACHIEVEMENTS

Advanced Study Grant

Boston College

April 2023

SKILLS

Programming: Python, C, JavaScript, Java

Technologies: PyTorch, TensorFlow, Captum, NNI, scikit-learn, pandas, Matplotlib, numpy, re, Git, auto keras...

Languages: Chinese, English

RELEVANT COURSEWORK

Mathematics Major coursework: Introduction to Abstract Math, Introduction to Abstract Algebra, Probability, Mathematical Statistics, Differential Equations, Combinatorics

Computer Science coursework: Logic and Computation, Randomness and Computation, Computer Systems, Algorithms, Computer Organization and Lab, Natural Language Processing, Machine Learning

Other related Coursera coursework: Deep Learning (DeepLearning.AI), Natural Language Processing (DeepLearning.AI), TensorFlow: Advanced Techniques (DeepLearning.AI), Machine learning (Stanford University)