

# Riteng Zhang

☎ +1 857 205 6008 | @ zhangcoj@bc.edu | 🌐 GitHub | 📍 Boston, US

## EDUCATION

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### Boston College

Boston, US

*B.A in Mathematics; GPA: 3.819/4.00*

*Sep 2020 – Present*

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

*Sep 2020 – Present*

*Minor in Philosophy; 3.866*

*Sep 2020 – Present*

## WORK EXPERIENCE

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### Blossoms ai (Startup)

Boston, Massachusetts, United States (Remote)

*Co-founder and Machine Learning Engineer*

*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

Boston, Massachusetts, United States

*Machine learning Teacher Assistant*

*August 2023 – Present*

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

## RESEARCH EXPERIENCE

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### 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

## INDEPENDENT RESEARCHES

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### 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 (Preprint)

*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*

## SKILLS

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**Programming:** Python, C, JavaScript, Java

**Technologies:** PyTorch, TensorFlow, scikit-learn, pandas, Matplotlib, numpy, re, Git...

**Languages:** Chinese, English

## RELEVANT COURSEWORK

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**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)