Yiming Zhang

734-263-4086 | yimingz@umich.edu | github.com/Y0mingZhang

EDUCATION

University of Michigan   Ann Arbor, MI
Bachelor of Science, Major in Computer Science, Pure Mathematics and Cognitive Science   *Sep. 2016 – Dec. 2020*

EXPERIENCES

Blablablab, University of Michigan   Ann Arbor, MI
Undergraduate Research Assistant, advised by Prof. David Jurgens   *May 2019 - Aug. 2020*
- Created a corpus of 26M Reddit conversations
- Designed and extracted features and metrics that are related to online prosocial behavior
- Trained an ALBERT-based model to forecast trajectory of online conversations

Language and Information Technologies (LIT) Group, University of Michigan   Ann Arbor, MI
Undergraduate Research Assistant, advised by Dr. Laura Burdick and Prof. Rada Mihalcea   *Jun. 2019 - Present*
- Designed an entity extraction algorithm in a Knowledge Graph construction pipeline.
- Worked on Named Entity Recognition (NER) in low-resouce languages, and proposed an adversarial training method for zero-shot NER on over 30 languages

Teaching Assistant, Principles of Analysis (Math 351)
Instructor: Prof. Janet Page   *Fall 2020*
- Organized and guided student discussions in an inquiry-based real analysis class.

Grader, Introduction to Machine Learning (EECS 445)
Instructor: Prof. Sindhu Kutty   *Fall 2019*
- Graded written homeworks and programming assignments in a class of 300 students.

PUBLICATIONS AND MANUSCRIPTS

"Conversations Gone Alright: Quantifying and Predicting Prosocial Outcomes in Online Conversations", Jiajun Bao*, Junjie Wu*, **Yiming Zhang***, Eshwar Chandrasekharan and David Jurgens, *In submission to Proceedings of the Web Conference*, 2021 (WWW 2021).

"Building a Flexible Knowledge Graph to Capture Real-World Events", Laura Burdick, Mingzhe Wang, Oana Ignat, Steve Wilson, **Yiming Zhang**, Yumou Wei, Rada Mihalcea and Jia Deng, *Text Analysis Conference*, 2019.

"A Coarse-Grained Regularization Method of Convolutional Kernel for Molten Pool Defect Identification", Tianyuan Liu, Jinsong Bao, Junliang Wang and **Yiming Zhang**, *Journal of Computing and Information Science in Engineering*, Oct. 2019.

"A Hybrid CNN–LSTM Algorithm for Online Defect Recognition of CO2 Welding", Tianyuan Liu, Jinsong Bao, Junliang Wang and **Yiming Zhang**, *Sensors*, Dec. 2018.

"Recognizing Entities in Many Low-Resource Languages Using Adversarial Learning", **Yiming Zhang**, Yumou Wei, Laura Burdick and Rada Mihalcea, *manuscript in preparation.*

SKILLS

Languages: C++, Python, C, Javascript, Bash, SQL
Frameworks: Flask, PyTorch, TensorFlow, OpenCV, ReactJS, Hadoop, NLTK, CoreNLP, DialogFlow

HONORS

University Honors, University of Michigan   *Fall 2018, Fall 2019, Winter 2020*
James B. Angell Scholar, University of Michigan   *Winter 2020*