

Nan Zhang

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EDUCATION

Pennsylvania State University, University Park, PA 08/2020-Present

- Ph.D. in Informatics (*Co-supervised by Prasenjit Mitra and Rui Zhang*) GPA: 3.91/4.0
- **Research Interests:** Language Model Compression, Text Summarization, Clinical NLP, Machine Learning

Georgia Institute of Technology, Atlanta, GA 08/2018-05/2020

- M.S. in Computational Science and Engineering GPA: 3.69/4.0

Worcester Polytechnic Institute (WPI), Worcester, MA 08/2013-05/2017

- BSc. in Computer Science & Industrial Engineering (double major) GPA: 3.5/4.0 (Honors with Distinction)

PUBLICATION

[3] Yusen Zhang, **Nan Zhang**, Yixin Liu, Alexander Fabbri, Junru Liu, Ryo Kamoi, Xiaoxin Lu, Caiming Xiong, Jieyu Zhao, Dragomir Radev, Kathleen McKeown, Rui Zhang. Fair Abstractive Summarization of Diverse Perspectives. Preprint.

[2] **Nan Zhang**, Yusen Zhang, Wu Guo, Prasenjit Mitra, Rui Zhang. FaMeSumm: Investigating and Improving Faithfulness of Medical Summarization. Conference on Empirical Methods in Natural Language Processing (EMNLP), 2023

[1] **Nan Zhang**, Shomir Wilson, Prasenjit Mitra. STAPI: An Automatic Scraper for Extracting Iterative Title-Text Structure from Web Documents. Language Resources and Evaluation Conference (LREC), 2022.

PROFESSIONAL EXPERIENCE

Research Intern, NEC Labs America, Princeton, NJ 05/2023-08/2023

- Compressed Large Language Models (LLMs) for efficient deployment in the enterprise environment

Student Intern, BNP Paribas, New York, NY 10/2016-12/2016

- Constructed the SQL database in Microsoft SQL Server which covered 44 normalized tables pulled from project tools, mapping files and front users' inputs to capture all the business terms and logic
- Devised the front-end via AngularJS, HTML & CSS to address various application cases like file uploading and data editing

Software Development Intern, Fidelity Investments, Smithfield, RI 05/2016-08/2016

- Used Spring Framework to redesign a web application and created JUnit Test Cases for its Java utility classes
- Integrated Google Analytics into a web application and conducted data analysis under Agile methodology
- Updated department calendar in the database and wrote an automated program in Java to read files and generate queries
- Utilized the FitNesse testing tool to automate acceptance testing on existing software projects

TALKS AND PRESENTATIONS

- "Medical Summarization on Factuality and Readability with Large Language Models". Poster, The 10th Mid-Atlantic Student Colloquium on Speech, Language and Learning (MASC-SLL 2023). April 22, 2023
- "Transformer-based Optical Character Recognition Model for Chemistry Scholarly Papers". Poster, Penn State University ICDS Fall 2022 Symposium. October 12, 2022.

SERVICES

- Program Committee of SUKI @ NAACL 2022

- Reviewer, ACL Rolling Review Dec. 2022
- Reviewer, EMNLP 2023
- Review Committee of CoNLL 2023