

# FANGCONG YIN

fy95@cornell.edu

## EDUCATION

---

**Cornell University** Ithaca, NY  
*Bachelor of Science*, College of Engineering 2021-2023  
*Major*: Information Science, System, and Technology GPA: 4.03

**University of Notre Dame** Notre Dame, IN  
*Bachelor of Science*, College of Engineering 2019-2021  
*Major*: Computer Science GPA: 3.97

## RESEARCH EXPERIENCE

---

**Cornell NLP Group, Cornell University** Ithaca, NY  
*Independent Researcher* (Advisor: Marten van Schijndel) Apr 2022 – Present

- Probe faithfulness and abtractiveness of automatically generated summaries by neural abtractive summarization models with syntactic priming paradigm
- Design human experiments to explore linguistic compression in human-written summaries and model-generated summaries

*Undergraduate Research Assistant* (Advisor: Claire Cardie) Sep 2021 – Present

- Created MovieRecap dataset, a multi-reference scene-to-scene fine-grained movie summarization dataset for long-form summarization
- Implemented a RankSVM-enhanced model for long narrative document summarization

**Human Language Technology Center of Excellence, Johns Hopkins University** Remote  
*Visiting Researcher* May 2022 – August 2022

- Attended Summer Camp for Applied Language Exploration (SCALE) 2022 workshop on authorship identification

**Cornell Language Acquisition Lab, Cornell University** Ithaca, NY  
*Lab Assistant* (Advisor: Barbara Lust) Jan 2022 – May 2022

- Automated the data analysis pipeline for a psycholinguistic project on Alzheimer patients' language capability

**Data Mining towards Decision Making Lab, University of Notre Dame** Notre Dame, IN  
*Undergraduate Research Assistant* (Advisor: Meng Jiang) Aug 2020 – Aug 2021

- Experimented on diverse question generation for document retrieval augmentation
- Built benchmark datasets for diversity promoting natural language generation

**RWTH Aachen University** Aachen, Germany (Remote)  
*Research Assistant* (Advisor: Elma Kerz & Daniel Wiechmann) May 2020 – Aug 2020

- Applied linear mixed effects models to correlate text readability features with eye tracking measures during human reading

## HONORS & AWARDS

---

Honorable Mention, Computing Research Association's (CRA) Outstanding Undergraduate Researcher Award for 2023 Dec 2022  
 College of Engineering Dean's List, Cornell University Fall 2021- Fall 2022  
 College of Engineering Dean's List, University of Notre Dame Fall 2019- Spring 2021

## GRANTS

---

Cornell Engineering Learning Initiatives Undergraduate Research Grant. *Linguistic Influences on Automatic Summarization Strategies*. (\$ 2500) Fall 2022  
 Wood Excellence Engineering Edu Research Award. *Linguistic Influences on Automatic Summarization Strategies*. (\$ 3000) Summer 2022  
 Cornell Engineering Learning Initiatives Undergraduate Research Grant. *MovieRecap Dataset Creation and Evaluation*. (\$ 2100) Spring 2022

## TEACHING EXPERIENCE

---

**Cornell University** Ithaca, NY  
*Teaching Assistant, Language and Information (CS 4300)* Spring 2023  
*Teaching Assistant, Natural Language Processing (CS 4740)* Fall 2022  
*Teaching Consultant, Object-Oriented Programming and Data Structures (CS 2110)* Spring 2022

**Panopath Education and Technology** Remote  
*Part-Time Online Tutor, AP Computer Science A* Spring 2019 – Summer 2020

**Test Daily** Remote  
*Part-Time Online Teaching Assistant, AP Computer Science A* Spring 2019 – Spring 2020

## PROFESSIONAL EXPERIENCE

---

**Innovation and Automation Lab, Marmon Holdings, Inc.** Chicago, IL  
*Intern Software Developer, Innovation and Automation Lab* Dec 2020 – Aug 2021

- Developed a web application that automatically extracts hand measurements from images
- Customized object detection model to detect beacon lights from real-time videos in a manufacturing plant
- Created a full-stack native mobile application to detect scan medical trackers and upload their broadcasting data to database for a medical Internet of Things project

## ACTIVITIES

---

**University of Notre Dame** Notre Dame, IN  
*Executive Board, Chinese Students and Scholars Association* 2021  
*Programming Specialist, Notre Dame Rocket Team* 2019 – 2021

*Programming Specialist, Notre Dame Robotics Football Club*

2019 – 2021

*Student Volunteer for Engineering Education at Local Primary Schools, Boys and Girls Club of America at St. Joseph Country, IN*

2019