

YIMENG GU

yimeng.gu@qmul.ac.uk \diamond <https://gymbeijing.github.io>

EDUCATION

Queen Mary University of London

Ph.D. in Computer Science

Advisor(s): Dr. Gareth Tyson, Dr. Ignacio Castro

London, UK

Sept 2021 - *present*

Carnegie Mellon University

M.S. in Electrical and Computer Engineering

Pittsburgh, PA, USA

Aug 2020 - Aug 2021

The Hong Kong University of Science and Technology

MSc. in Big Data Technology

Hong Kong, China

Sept 2019 - June 2020

Beihang University

B.E. in Electronics Information Engineering

Shenyuan Honors College (top 50/3000+)

Beijing, China

Sept 2014 - June 2018

PUBLICATIONS

1. Making the Pick: Understanding Professional Editor Comment Curation in Online News
Yupeng He, **Yimeng Gu**, Ravi Shekhar, Ignacio Castro, Gareth Tyson
In *Proceedings of the 18th International AAAI Conference on Web and Social Media*, 2024
2. MMVAE at SemEval-2022 Task 5: A Multi-modal Multi-task VAE on Misogynous Meme Detection
Yimeng Gu, Ignacio Castro, Gareth Tyson
In *Proceedings of the 16th International Workshop on Semantic Evaluation*, 2022
3. Automating Claim Construction in Patent Applications: The CMUmine Dataset
Ozan Tonguz, Yiwei Qin, **Yimeng Gu**, Hyun Hannah Moon
In *Proceedings of the Natural Legal Language Processing Workshop*, 2021

HONORS AND AWARDS

- HKUST MSc (BDT) Excellent Student Scholarship 2019 (Top 7%) Apr 2020
- Excellent Undergraduate in Beihang University June 2018
- Second Prize in Fengru Cup of Science and Technology Competition in Beihang University (Top 15%) May 2017
- Honorable Mention in COMAP's Mathematical Contest in Modeling Apr 2016

RESEARCH EXPERIENCE

Queen Mary University of London | Graduate Research Assistant

Advisor: Dr. Gareth Tyson

Topic: Multimodal Misinformation Detection on Social Media Platforms

London, UK

Sept 2021 - *present*

Carnegie Mellon University | Graduate Research Assistant

Advisor: Prof. Ozan Tonguz

Topic: Automating Claim Construction in Patent Application Using Text Summarization Models

Pittsburgh, PA, USA

Apr 2021 - Sept 2021

University of Wisconsin-Madison | Visiting Scholar

Advisor: Prof. Andreas Velten, Prof. Kevin Eliceiri

Topic: Speeding up the Color Rendering of Images Taken from Hyperspectral Microscope

Madison, WI, USA

July 2017 - Aug 2017

WORK EXPERIENCE

Autodesk Research
Research Intern at AI Lab
Topic: Identifying Mechanisms in Fusion360 Assemblies

London, UK
Jun 2023 - Sept 2023

Queen Mary University of London
Lab Demonstrator
• Demonstrated for ECS765P Big Data Processing

London, UK
Jan 2022 - May 2022

IFLYTEK Group
AI Research Intern
Topic: Natural Language Processing with Legal Texts

Beijing, China
Oct 2018 - Apr 2019

• Applied Named Entity Recognition and Reading Comprehension model to extract targeting elements (i.e., job description, job location, term of part-time working) from Chinese labor contracts, and compared model performances

LANGUAGE AND SKILLS

| | |
|---------------------------|---|
| Computer/Technical | Python, Java, C/C++, Spark, SQL, git, gradle, IntelliJ IDEA, PyCharm, AWS, Azure, VS Code |
| Deep Learning | Pytorch, Tensorflow, HuggingFace, (M)LLMs |
| Language | English (fluent), Mandarin (native) |