

# 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

### University of Wisconsin-Madison

Visiting Scholar at Laboratory for Optical and Computational Instrumentation

Madison, WI, USA

July 2017 - Aug 2017

### 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

## 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

---

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