Peiling Yi

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Google Scholar: https://scholar.google.com/citations?user=Q7KsxSAAAAAJ&hl=en

EDUCATION

- **PhD, Computer Science (**2020-2025**)**
  Queen Mary University of London
  Thesis: Cyberbullying Detection Across Different Social Media Platforms.
  (Successfully defended with minor corrections)

- **MSc in Software Engineering (Distinction)** (2017 - 2019)
  Queen Mary University of London

- **MSc in Engineering Project Management (**2005 - 2008)
  Chinese Academy of Sciences

- **BSc in Computer Applied Technology (**1994 - 1998)
  Hefei University of Technology, China

RESEARCH INTERESTS

- Natural Language Processing(NLP)
- Computational Social Media Analysis
- AI for Online Safety & Social Good
- Explainable and Fair Machine Learning
- Multimodal, Cross-Platform Misinformation Detection

SELECTED ACHIEVEMENTS & LEADERSHIP

- **Best Survey Paper Award, Online Social Networks and Media** (2024)
  Awarded for outstanding research contributions to computational social
  media analysis.

- **Research Co-Investigator, EPSRC Proposal** (2024)
  Co-led the development of a three years EPSRC project proposal on
  multimodal fact-checking, facilitating cross-institutional collaboration.

- **Community Award Recipient & Enrichment Scholar, Alan Turing Institute**
  (2022 - 2023)
  Selected for the prestigious Turing Enrichment Scheme; delivered invited
  talks on NLP bias to cross-domain experts; Coordinated interdisciplinary
  workshops, and promoted inclusive AI research.

- **Reviewer, The Web Conference (WWW) (**2023)
  Invited to review submissions for a leading international conference in web science, NLP, and online safety.

- **Panel Member, DC11 Project (HYBRIDS Consortium)** (2023)
  Served on the international interview panel for PhD candidate selection within the HYBRIDS consortium's DC11 team, supporting cross-lingual claim detection research with academic partners across Europe**.**

- **Advance HE Associate Fellow (AFHEA), Higher Education Academy** (2022)
  Recognized for professionalism and excellence in teaching and learning in higher education.

- **Level 7 Certificate in Learning and Teaching, Queen Mary University of London (**2022)
  Successfully completed advanced postgraduate training in pedagogy and higher education practice.

- **Student Supervision & Mentorship** (2021 - 2024)
  Supervised and mentored over 15 undergraduate and master's research students; several mentees have progressed to leading doctoral programs and industry positions.

- **International Project Management Professional (IPMA Level C), International Project Management Association** (2008)
  Certified for advanced project management and leadership in complex, multi-stakeholder environments, underpinning effective delivery of large-scale research and industry projects.

RESEARCH & PROFESSIONAL EXPERIENCE

- **Senior Research Officer, University of Essex** (2024 - Present)
  - Lead research on AI for social good, online harms, and explainable AI.
  - Initiated collaborative projects in multimodal misinformation detection.

- **Researcher co-lead applying EPSRC funding** (2024 - 2025)
  - Co-led the development of a three-year EPSRC project proposal on multimodal fact-check .

- **Enrichment Student & Community Award**, **Alan Turing Institute** (2022 - 2023)
  - Delivered invited talks on NLP bias to experts from non-NLP domains, fostering greater cross-disciplinary awareness and understanding of ethical AI challenges.
  - Coordinated and participated in interdisciplinary workshops, promoting collaboration between researchers in computer science, social sciences, and other fields.
  - Recognized with a Community Award for outstanding contributions to inclusive and impactful AI research at the Turing Institute.

- **Interview Panel Member, DC11 Project – HYBRIDS Consortium** (2023)
  - Served as an interview panellist for the DC11 team within the HYBRIDS European project, which focuses on cross-lingual claim detection and automated fact-checking.
  - Conducted interviews and assessments for PhD candidates, ensuring high standards in both technical and interdisciplinary qualifications.
  - Collaborated with international academic partners from leading European universities, supporting the assembly of a diverse research team advancing multilingual misinformation detection and trustworthy AI.

- **Industry Experience** (1998 - 2010)
  Held senior software engineering and project management roles at Yahoo, Ninetowns, and other technology firms, leading the development of large-scale live media streaming software systems.

TEACHING & SUPERVISION

- **Teaching Fellow, Queen Mary University of London** (2021 - 2024)
  Delivered lectures and tutorials for undergraduate and master's modules in Natural Language Processing, Machine Learning, and Software Engineering. Designed assessments and led seminars for diverse cohorts, consistently receiving positive student feedback for engaging and inclusive teaching.

- **Associate Fellow (AFHEA), Higher Education Academy** (2022 - Present)
  Recognized for commitment to excellence and innovation in higher education pedagogy.

- **Assistant Examiner, Joint Education Institute (JEI), Queen Mary University of London** (2021 - Present)

Evaluated student performance and contributed to academic quality assurance for joint degree programmes.

- **Teaching Assistant, Queen Mary University of London** (2020 - 2021)
Supported instruction and practical session for foundational computing and data science modules.

- **Supervision & Mentorship** (2021 - 2024)
Supervised over 15 undergraduate and master's students on research and industrial projects in NLP, cyberbullying detection, and AI ethics. Several supervisees have advanced to doctoral study.

- **Pedagogical Training ,** Queen Mary University of London (2022)
Completed Level 7 Certificate in Learning and Teaching.

First-Author Publications

- **Irony Detection, Reasoning and Understanding in Zero-shot Learning**
Under minor revision for IEEE Transactions on Artificial Intelligence 2025

- **Detecting Harassment and Defamation in Cyberbullying with Emotion-adaptive Training**
The International AAAI Conference on Web and Social Media (ICWSM) 2025

- **ID-XCB: Data-independent Debiasing for Fair and Accurate Transformer-based Cyberbullying Detection**
The International AAAI Conference on Web and Social Media (ICWSM) 2025

- **Session-based Cyberbullying Detection in Social Media: A Survey**
(2024 best survey paper)
Online Social Networks and Media. 2023

- **Learning Like Human Annotators: Cyberbullying Detection in Lengthy Social Media Sessions**
The Web Conference（WWW）2023

- **Cyberbullying Detection Across Social Media Platforms via Platform-Aware Adversarial Encoding**
The International AAAI Conference on Web and Social Media (ICWSM) 2022

- **Weakly Supervised Cross-Platform Teenager Detection with Adversarial BERT**
ACM Conference on Hypertext and Social Media 2021