

Jenny Chim

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| EDUCATION | <p>Ph.D. Computer Science, Queen Mary University of London 2020 – present</p> <ul style="list-style-type: none">Researching synthetic data, language generation, and large language model (LLM) evaluation.Leads organization of the Data Science for Mental Health interest group at the Alan Turing Institute. <p>M.Sc. Speech and Language Processing (distinction), The University of Edinburgh 2018</p> <ul style="list-style-type: none">Thesis: "Exploring neural networks for named entity recognition in radiology". <p>B.A. Psychology (GPA: 3.76), University of California, Los Angeles 2017</p> <ul style="list-style-type: none">Minor: Linguistics. Supported work on psycholinguistics and metacognition as a research assistant at the <i>Language Processing Lab</i> and <i>Language and Cognitive Development Lab</i>. |
| EXPERIENCE | <p>Data Scientist (Intern), NHS England 2024 – present</p> <ul style="list-style-type: none">Researching privacy concerns and performance monitoring of clinical foundation models. <p>Research Assistant, Queen Mary University of London 2024 – present</p> <ul style="list-style-type: none">Researching LLM evaluation in the RAI UK Keystone Project: <i>Addressing Socio-technical Limitations of LLMs for Medical and Social Computing</i>. <p>Research Engineer (Consultant), Anathem 2023 – 2024</p> <ul style="list-style-type: none">Lead evaluation work to ensure that clinical generations are evidence-grounded and attributed. <p>Data Scientist, EF Education First 2018 – 2020</p> <ul style="list-style-type: none">Developed machine learning models and analytics for language education and user modeling.<ul style="list-style-type: none">Tech stack: NumPy, pandas, scikit-learn, PyTorch, Flask, streamlit, Docker.Supported implementation and maintenance of data ingestion pipeline and governance platform.<ul style="list-style-type: none">Tech stack: AWS, Airflow, Snowflake. <p>Human Testing Technician, University of Edinburgh 2018</p> <ul style="list-style-type: none">Managed data collection, stimuli processing, and recruitment in metacognitive sensitivity studies. <p>Research Assistant, The Hong Kong Polytechnic University 2017</p> <ul style="list-style-type: none">Responsible for subject recruitment, IPA transcription, experiment scripting, and acoustic analyses. |
| SELECTED PAPERS | <p>NLP for Mental Health</p> <ul style="list-style-type: none">Chim, J.*, Song, J*., et al. (ACL Findings 2024). Combining Hierarchical VAEs with LLMs for clinically meaningful timeline summarisation in social media.Chim, J*, Tsakalidis, A*., et al. (2024). Overview of the CLPsych 2024 Shared Task: Leveraging Large Language Models to Identify Evidence of Suicidality Risk in Online Posts.Tsakalidis, A., Chim, J., et al. (2022). Overview of the CLPsych 2022 Shared Task: Capturing Moments of Change in Longitudinal User Posts.Tsakalidis, A., [et al, incl Chim, J] (ACL 2022). Identifying MoC from Longitudinal User Text. <p>Large Language Models</p> <ul style="list-style-type: none">Li, R., [et al, incl Chim, J] (TMLR 2023). StarCoder: may the source be with you!.Scao, T. L., [et al, incl Chim, J] (2022). Bloom: A 176b-parameter open-access multilingual LM.Laurençon, H., [et al, incl Chim, J] (NeurIPS D&B 2022). The bigscience roots corpus: A 1.6 tb composite multilingual dataset. <p>Evaluation Frameworks</p> <ul style="list-style-type: none">Chim, J., Ive, J., Liakata, M. (Computational Linguistics 2024). Evaluating Synthetic Data Generation from User Generated Text.Zhuo, T.Y., Vu M.C., Chim, J., et al. (2024). BigCodeBench: Benchmarking Code Generation with Diverse Function Calls and Complex Instructions.Fries, J., [et al, incl Chim, J] (NeurIPS D&B 2022). Bigbio: a framework for data-centric biomedical natural language processing.Gehrmann, S., [et al, incl Chim, J] (EMNLP 2022). GEMv2: Multilingual NLG Benchmarking in a Single Line of Code. |