



Welcome to AI Matters 7(4)

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Issue overview

Welcome to the last issue of this year's AI Matters Newsletter. We open with a brief report on upcoming SIGAI Events by Dilini Samarasinghe, followed by the Conference reports by Louise Dennis. This issue ends with our regular Education column. In this column, Nathan Sprague introduces a Model AI Assignment, which helps students gain a deeper understanding of modern deep learning frameworks by guiding them to build their own automatic differentiation engine. The editorial team wishes all SIGAI community members a great winter and a wonderful start of 2022!

Submit to AI Matters!

Thanks for reading! Don't forget to send your ideas and future submissions to *AI Matters*! We're accepting articles and announcements now for the next issue. Details on the submission process are available at <http://sigai.acm.org/aimatters>.



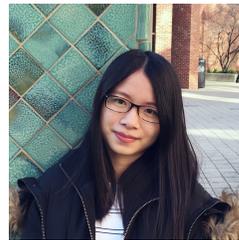
Iolanda Leite is co-editor of AI Matters. She is an Associate Professor at the School of Electrical Engineering and Computer Science at the KTH Royal Institute of Technology in Sweden. Her research interests are in the

areas of Human-Robot Interaction and Artificial Intelligence. She aims to develop autonomous socially intelligent robots that can assist people over long periods of time.



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Ziyu Yao is co-editor of AI Matters. She is an Assistant Professor in the Department of Computer Science at George Mason University. Her research interests lie in natural language processing (NLP) and artificial intelligence (AI), particularly building natural language interfaces that can reliably assist humans in knowledge acquisition and task completion. She also works in NLP/AI for other disciplines such as Software Engineering and Bioinformatics.

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