	UK Cell Phone: +44 7522 177622 Email: jv406@cam.ac.uk		
EDUCATION	 PhD, COMPUTER SCIENCE University of Cambridge Co-advised by Simone Teufel (UoC) and Ryan Cotterell (ETH). Fully funded by Huawei research stipend. Part of the Natural Language Processing and Understanding rese Part of the ETH AI centre research group - Rycolab. Developing deep learning techniques for robust modelling of legal 	2019 - 2023 earch group. l arguments.	
	 MPhil, ADVANCED COMPUTER SCIENCE University of Cambridge Graduated with a distinction and a first class in every module. Best paper award at JURIX'18 for legal NLP paper. 	2018 - 2019	
	 MSc, COMPUTER SCIENCE University of Bristol Received the Best MSc Computer Science Student award. Achieved first class grades in all modules and graduated with a computer Science Notes on Artificial Intelligence Student award. 	2016 - 2017 listinction. gence journal.	
	 LLB. LAW University of Exeter Achieved first class for my dissertation: Attribution Methods in G Represented England at Jean-Pictet International Law competities 	2013 - 2016 <i>Cyberspace.</i> on.	
PUBLICATION LIST	Valvoda J., Thompson A., Cotterell R., and Teufel S. (2023) The Ethics of Automating Legal Actors, Accepted in Transactions of the Association for Computational Linguistics		
	Stoehr N., Hennigen L., Valvoda J. , West R., Cotterell R., and Schein A. (2023) An Ordinal Latent Variable Model of Conflict Intensity, <i>Proceedings of the 61st Annual</i> <i>Meeting of the Association for Computational Linguistics</i>		
	Valvoda J., Cotterell R., Teufel S. (2023) On the Role of Negative Precedent in Legal Outcome Prediction, Transactions of the Association for Computational Linguistics		
	Pimentel T.*, Valvoda J.*, Stoehr N., Cotterell R. (2022) The Architectural Bottle- neck Principle, Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing of the Association for Computational Linguistics		
	Valvoda J., Naomi S., Rawski J., Williams A., Cotterell R. (2022) Benchmark- ing Compositionality with Formal Languages, <i>Proceedings of the 29th International</i> <i>Conference on Computational Linguistics</i>		
	Valvoda J., Yimai, F., Vandyke D. (2022) Prompting for a conversation: How to control a dialog model?, Proceedings of the Second Workshop on When Creative AI Meets Conversational AI		
	Talat Z., Blix H., Valvoda J. , Ganesh M., Cotterell R., Williams A (2022) On the Machine Learning of Ethical Judgments from Natural Language, <i>In Proceedings of the</i>		

2022 Conference of the North American Chapter of the Association for Computational Linguistics

Batsuren K. et al. (2022) UniMorph 4.0: Universal Morphology, In Proceedings of the 13th Conference on Language Resources and Evaluation

Valvoda J., Pimentel T., Stoehr N., Cotterell R., Teufel S. (2021) What About the Precedent: An Information-Theoretic Analysis of Common Law. In Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics

Pimentel T., Valvoda J., Hall Maudslay R., Zmigrod R., Williams A., Cotterell R. (2020) Information-Theoretic Probing for Linguistic Structure. In Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics

Hall Maudslay R., Valvoda J., Pimentel T. Williams A., Cotterell R. (2020) A Tale of a Probe and a Parser. In Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics

Farag Y., Valvoda J., Yannakoudakis H., Briscoe T. (2020) Analyzing Neural Discourse Coherence Models. In Proceedings of the First Workshop on Computational Approaches to Discourse; Association for Computational Linguistics

Vylomova E., White J., Salesky E., Mielke S., Wu S., Ponti E., Maudslay R., Zmigrod R., Valvoda J., Toldova S., Tyers F., Klyachko E., Yegorov I., Krizhanovsky N., Czarnowska P., Nikkarinen I., Krizhanovsky A., Pimentel T., Hennigen L., et al. (2020) SIGMORPHON 2020 Shared Task 0: Typologically Diverse Morphological Inflection. In Proceedings of the 17th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology

Valvoda J., Ray O. (2018) From Case Law to Ratio Decidendi. In New Frontiers in Artificial Intelligence. JSAI-isAI 2017. Lecture Notes in Computer Science, vol 10838. Springer, Cham

Valvoda J., Ray O., Satoh K. (2018) Using agreement statements to identify majority opinion in UKHL case law. In Legal Knowledge and Information Systems - JURIX 2018: The Thirty-first Annual Conference, Groningen, The Netherlands, 12-14 December 2018

* shared first authorship

WORK EXPERIENCE

APPLIED SCIENTIST INTERNSHIP Amazon Seattle, USA

August - November 2023

- Working with the PXT Central Science team.
- Project focus on long document processing with LLMs.
- Paper submitted for review at NAACL'24

AI/ML - MACHINE LEARNING INTERNSHIP

June - September 2021

Apple, Cambridge

- Worked on the Siri experience team.
- Researched prompting LLMs for dialogue modelling.
- Prompting For a Conversation paper presented at COLING'22

	 Lead a weekly NLP reading group at the company. NLP SUPERVISOR October 2019 (ongoing University of Cambridge, Cambridge Supervise students in classes on Natural Language Processing, Machine Learning and Real World Data. Teach techniques ranging from Naive Bayes to Doc2Vec. 	
	 NLP RESEARCHER Lexsnap, London Developed a legal document search engine using BERT. Lead a team of interns for product development. 	July - September 2019
	 RESEARCH PLACEMENT 3-6 Months Sprin, National Institute of Informatics, Tokyo Best paper award at JURIX'18 conference. Used ML and NLP techniques to automate the legal rest opinion identification to a near human-level accuracy. 	g 2018 & 2020 & 2023 earch task of majority
INVITED TALKS	AllenNLP - AI2 Invited Talk organised by Yanai Elazar	November 2023
	FTP AI Center Invited Talk organised by Truong Son Hy	April 2023
	National Institute of Advanced Industrial Science and Technol Invited Talk organised by Edison Marrese-Taylor	logy April 2023
	Tokyo Institute of Technology Invited Talk organised by Professor Hiroaki Yamada	March 2023
	Seminars on Formal Languages and Neural Networks FLaNN Seminars organised by Will Merrill	January 2023
	EMNLP - Natural Legal Language Processing Workshop NLLP Workshop organised by Professor Nikolaos Aletras	December 2022
	ETH Zurich Seminar in Economics + Data Science organised by Prof	July 2021 fessor Elliott Ash
	University of Sheffield	June 2021

NLLP Talk Series organised by Professor Nikolaos Aletras

NLP RESEARCHER TechWolf, Ghent

• Visiting Ryan Cotterell's lab.

• Developing new methods for probing language models.

• Build a hierarchical transformer language model for job/vacancy matching.

• The Architectural Bottleneck Principle paper presented at EMNLP'22

oped a legal document search engine using BERT.
a team of interns for product development

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March - June 2022

July - September 2020

VISITING RESEARCHER ETH Zurich, Switzerland

CONFERENCE ORGANISATION ACADEMIC COLIEE Shared Task Program Committee 2021/2022/2023 SERVICE NLLP Workshop Program Committee 2021/2022/2023 JURIX Workshop Program Committee 2022/2023 SIGTYP Session Chair 2021 REVIEWING I review for ARR (ACL, NAACL), EMNLP, NEURIPS, JURIX, JURISIN, NLLP and COLIEE PROFICIENCY PROGRAMMING I code in **Python** and have worked on the above publications with the **Pytorch** and Transformers libraries. LANGUAGES Czech (first language), English (fluent), German (beginner), French (beginner)