

Liam Cripwell

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EDUCATION

Université de Lorraine / CNRS

October 2020 - Present

PhD (Computer Science)

Topic: Controllable and Document-Level Text Simplification

Queensland University of Technology

November 2017

B.InfTech (Hons) - First Class

Overall GPA: 7.0/7.0

Queensland University of Technology

November 2016

B.InfTech (Computer Science)

Minor in Laws

Overall GPA: 6.33/7.0

WORK EXPERIENCE

Université de Lorraine

September 2021 - Present

Teaching Staff

Nancy, FR

- Giving lectures and workshops in systems design for the Cognitive Science and NLP Masters programs.

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June 2019 - September 2020

Machine Learning Engineer

Brisbane, AU

- Building and deploying deep learning products for natural language and signal processing applications.

Worldview Exchange

January 2018 - June 2019

Software Engineer

Remote

- Leading development of natural language processing and analytics system and web platform.

Queensland University of Technology

November 2017 - January 2018

Research Assistant

Brisbane, AU

- Assisted with the data preparation and running of various information retrieval experiments.

Queensland University of Technology

July 2017 - November 2017

Sessional Academic

Brisbane, AU

- Tutor for Programming Principles and IT Capstone Project.

Australian e-Health Research Centre (CSIRO)

November 2016 - February 2017

Research Intern

Brisbane, AU

- Research internship in health search, developing methods for automated clinical query generation.

Queensland University of Technology

July 2016 - November 2016

Research Assistant

Brisbane, AU

- Design and implementation of social network information retrieval/recommender system for digital communities researchers.

- Research internship focusing on the use of wearable technologies and persuasive interventions to assist in the management of an individual's UV exposure.

TECHNICAL SKILLS

Programming Languages	<i>Proficient:</i> Python, Scala, Javascript, C#, Java, R
	<i>Familiar:</i> Ruby, Haskell, F#, PHP, C, Go, Elm
Databases	MySQL, PostgreSQL, Elasticsearch
Frameworks	Django, Rails, Node/Express, React/Redux
Tools	Unix, Git, AWS, Numpy, Pandas, PyTorch, Spacy, Docker

CERTIFICATIONS

Practical Reinforcement Learning, a course by HSE University on Coursera January 2022

- RL Foundations; Deep RL; State-of-the-Art RL Techniques

Mathematics for Machine Learning, a 3-course specialization by Imperial College London on Coursera March 2019

- Linear Algebra; Multivariate Calculus; Principal Component Analysis

Deep Learning, a 5-course specialization by deeplearning.ai on Coursera November 2018

- Neural Networks & Deep Learning; Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization; Structuring Machine Learning Projects; Convolutional Neural Networks; Sequence Models

PUBLICATIONS

Context-Aware Document Simplification July 2023

Findings of the Association for Computational Linguistics: ACL 2023

Toronto, CA

Document-Level Planning for Text Simplification May 2023

European Chapter of the Association for Computational Linguistics: EACL 2023

Dubrovnik, HR

Controllable Sentence Simplification via Operation Classification July 2022

Findings of the Association for Computational Linguistics: NAACL 2022

Seattle, USA

Discourse-Based Sentence Splitting November 2021

Findings of the Association for Computational Linguistics: EMNLP 2021 Punta Cana, Dom. Rep.

Generating Clinical Queries from Patient Narratives August 2017

ACM - Special Interest Group on Information Retrieval (SIGIR) Conference

Tokyo, Japan

Promoting UV exposure awareness with persuasive, wearable technologies July 2016

Health Informatics Society of Australia - Health Informatics Conference

Melbourne, AU

- Branko Cesnik Best Academic/Scientific Paper 2016

REFERENCES

Dr. Claire Gardent

Senior Research Scientist at CNRS

claire.gardent@loria.fr

Nancy, FR

Dr. Iain McCowan

Director of AI at Dubber

iain.mccowan@notiv.com

Brisbane, AU

Dr. Daniel Angus

Associate Professor at Queensland University of Technology

daniel.angus@qut.edu.au

Brisbane, AU

Dr. Bevan Koopman

Research Scientist at AEHRC, CSIRO

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Brisbane, AU