

Liam Cripwell

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EDUCATION

Queensland University of Technology

B.InfTech (Hons) - First Class

Overall GPA: 7.0/7.0

February 2017 - November 2017

Queensland University of Technology

B.InfTech (Computer Science)*

Minor in Laws

Overall GPA: 6.33/7.0

February 2013 - November 2016

WORK EXPERIENCE

Notiv

Machine Learning Engineer

June 2019 - Present

Brisbane, AU

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

Worldview Exchange

Software Engineer

January 2018 - June 2019

Remote

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

Queensland University of Technology

Research Assistant

November 2017 - January 2018

Brisbane, AU

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

Queensland University of Technology

Sessional Academic

July 2017 - November 2017

Brisbane, AU

- Tutor for Programming Principles and IT Capstone Project.

Australian e-Health Research Centre (CSIRO)

Research Intern

November 2016 - February 2017

Brisbane, AU

- Completed a research internship in the area of health search, developing methods for automated clinical query generation.

Queensland University of Technology

Research Assistant

July 2016 - November 2016

Brisbane, AU

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

CSIRO

Research Intern

November 2015 - February 2016

Sydney, AU

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

Junior Engineers

Programming Instructor

July 2015 - July 2016

Brisbane, AU

- Running extra-curricular computer programming classes within primary and high schools throughout the Brisbane area.

STIMulate

July 2014 - November 2016

Peer-Learning Facilitator

Brisbane, AU

- Provided assistance and mentoring to university students requiring help with the assignments and content of computer science related courses.

TECHNICAL SKILLS

Programming Languages	<i>Proficient:</i>	Python, Scala, Javascript, Java, C#, R
	<i>Familiar:</i>	Ruby, Haskell, F#, PHP, C, Go, Elm
Databases		MySQL, PostgreSQL, Elasticsearch
Frameworks		Django, Rails, Node/Express, React/Redux, Bootstrap, Play
Tools		Unix, Git, AWS, Numpy, Pandas, Sklearn, PyTorch, Spacy, NLTK, jQuery, Docker, Bokeh, BeautifulSoup, L ^A T _E X, Celery

CERTIFICATIONS

Mathematics for Machine Learning, a 3-course specialization by Imperial College London on Coursera 21 March 2019

- Linear Algebra; Multivariate Calculus; Principal Component Analysis

Deep Learning, a 5-course specialization by deeplearning.ai on Coursera 30 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

Generating Clinical Queries from Patient Narratives 7 August 2017
ACM - Special Interest Group on Information Retrieval Conference *Tokyo, Japan*

Promoting UV exposure awareness with persuasive, wearable technologies 25 July 2016
Health Informatics Society of Australia - Health Informatics Conference *Melbourne, AU*

- Branko Cesnik Best Academic/Scientific Paper 2016

REFERENCES

Dr. Daniel Angus daniel.angus@qut.edu.au
Associate Professor at Queensland University of Technology *Brisbane, AU*

Dr. Bevan Koopman bevan.koopman@csiro.au
Research Scientist at AEHRC, CSIRO *Brisbane, AU*