

Resume: Khoi-Nguyen Tran

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OBJECTIVE	To apply my research skills in industry by developing practical AI solutions for business.	
RESEARCH INTERESTS	Data Science, Machine Learning, Deep Learning, Text Mining, AI for Business, Cyber-security.	
EMPLOYMENT	IBM Research Australia <ul style="list-style-type: none">• Research Scientist. Cognitive Analytics. 2018 – Current<ul style="list-style-type: none">– Leading research into understanding patents using text mining and machine learning. Managing and coordinating research tasks amongst 5 people from 3 teams with mixed development in R, Python, Spark, and React.– Led development and managed a team with another researcher and 2 software engineers to build end-to-end machine learning and chatbot proof-of-concept pipelines for financial services clients.– 2 publications under review. 3 patents filed. 5 defensive patent publications.• Postdoctoral Research Scientist. Cognitive Analytics. 2016 – 2018<ul style="list-style-type: none">– Managed, led, and coordinated tasks in projects below in a team of 2 in Australia with the wider research and software development teams in India and the USA.– Led development of document chunking and end-to-end machine learning solutions for Watson Education. Document chunking is now one of the core features of an IBM offer (C3 – http://microsite-us.mybluemix.net/).– Identified problems with Watson Education's inherited research assets and developed solutions meeting their production needs of high prediction scores, parallelization, and micro-service APIs.– 2 publications. 2 patents filed. 3 defensive patent publications. Australian Federal Government <ul style="list-style-type: none">• Data Scientist. Research and Development Team. 2015 – 2016<ul style="list-style-type: none">– Developed modelling, profiling, and text analytics solutions for analysts in R and SQL. Australian National University <ul style="list-style-type: none">• Research Assistant & Co-founder. Cybercrime Observatory. 2013 – 2015<ul style="list-style-type: none">– Developed machine learning techniques to detect malicious content (attachments or URLs) using only email text.– 1 publication.• Research Assistant. Research School of Computer Science. 2011 – 2015<ul style="list-style-type: none">– 3 main projects with a publication for each.	
EDUCATION	Australian National University <ul style="list-style-type: none">• Ph.D. in Engineering and Computer Science. 2010 – 2015<ul style="list-style-type: none">– Thesis Title: <i>Detecting Vandalism on Wikipedia across Multiple Languages</i>.– 5 publications, all contributing to thesis.• Bachelor of Computer Science, with First Class Honors. 2006 – 2009<ul style="list-style-type: none">– 5 publications (from honors thesis and individual research projects).	
REFERENCES	Available upon request.	
PUBLICATION METRICS	From Google Scholar (Mar 20): 279 citations, h-index: 8, i10-index: 7. http://scholar.google.com.au/citations?user=ihFcT5QAAAAJ	