Resume: Khoi-Nguyen Tran

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CONTACT

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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

- Research Scientist. Cognitive Analytics.   2018 – Current
  - 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.
  - Outstanding Technical Achievement Award (OTAA) for work into "Deep Learning Representations for Documents".
  - 2 publications under review. 3 patents filed. 8 defensive patent publications.
- Postdoctoral Research Scientist. Cognitive Analytics.   2016 – 2018
  - 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

- Data Scientist. Research and Development Team.   2015 – 2016
  - Developed modelling, profiling, and text analytics solutions for analysts in R and SQL.

Australian National University

- Research Assistant & Co-founder. Cybercrime Observatory.   2013 – 2015
  - Led research into 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
  - 3 main projects with a publication for each.

EDUCATION

Australian National University

- Ph.D. in Engineering and Computer Science.   2010 – 2015
  - Thesis Title: *Detecting Vandalism on Wikipedia across Multiple Languages.*
  - 5 publications, all contributing to thesis.
- Bachelor of Computer Science, with First Class Honors.   2006 – 2009
  - 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