Resume: Khoi-Nguyen Tran

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EMPLOYMENT

IBM Research – Australia
Melbourne, VIC, Australia

- Postdoctoral Researcher. Cognitive Analytics Group.   2016 – Current
  - Developing research solutions to understanding of PDF documents for the Watson Education business unit.
  - Developing an end-to-end research based classification system for detecting vandalism on Wikipedia, incorporating traditional feature engineering techniques and exploring deep learning techniques.

Australian Government
Melbourne, VIC, Australia

- Data Scientist.   2015 – 2016
  - Led development of advanced profiling techniques in collaboration with experienced data analysts.
  - Revised production profiling scripts for correctness and reimplementation into a new production system.
  - Led the creation of a report into data quality of internal production databases.

The Australian National University (ANU)
Canberra, ACT 2601, Australia

- Co-founder and Research Officer. ANU Cybercrime Observatory.   2013 – 2015
  - Project: *Tracking Cybercrime Activities in Australia*
  - Led research into detecting spam emails with malicious attachments or URLs.
  - Provided technical expertise on generating statistics and deep data analysis of multiple spam email data sources.
  - Managed data security and computer systems for research.
  - Led an ethics proposal for a research project on people's susceptibility to cybercrime.

- Research Officer. Research School of Computer Science.   2011
  - Project: *Preference Elicitation for Social Recommendation*
  - Led development of Facebook app (http://linkr.anu.edu.au) to collect user data for research on collaborative filtering for recommendation.

EDUCATION

The Australian National University (ANU)
Canberra, ACT 2601, Australia

- Ph.D. in Engineering and Computer Science.   2015
  - Area of Study: Machine learning and its applications
  - Thesis Title: *Detecting Vandalism on Wikipedia across Multiple Languages*
  - Developed novel vandalism detection methods based on metadata and text data.
  - Demonstrated effective reuse of machine learning models across multiple languages.

- Bachelor of Computer Science, with First Class Honours.   2009

REFERENCES
Available on request.