Resume: Khoi-Nguyen Tran

CONTACT

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EMPLOYMENT

IBM Research – Australia
Melbourne, VIC, Australia

- Postdoctoral Researcher. Cognitive Analytics Group.   2016 – Current
    - Led development of research components on understanding text in PDF documents for chunking and learning objective generation.
        * Delivered 3 web based apps/demos to the client and software teams, for use by the sales team, data science team, and SME team.
        * Delivered and maintained Java and Python software packages for the software engineering team's integration into the production system.
        * Research team was recognised as providing leading expertise on development.
        * 1 research publication under review.
    - Exploring machine/deep learning applications for the Education Library, focusing on document classification and alignment of text content to learning standards.
        * Delivered 2 Java software packages that wrapped past research code for a production level system with parallelism and simplified execution.
        * Developing one Python web service using supervised learning to improve the search in the unsupervised learning algorithm.

Australian Federal Government
Melbourne, VIC, Australia

- Data Scientist. Research and Development Team.   2015 – 2016

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

- Co-founder and Research Assistant. ANU Cybercrime Observatory.   2013 – 2015
    - Led research into detecting spam emails with malicious attachments or URLs.
    - First author full paper publication in AusDM (2013).

- Research Assistant. Research School of Computer Science.   2011
    - Led development of a Facebook app (http://linkr.anu.edu.au) to collect user data for research into collaborative filtering for recommendation tasks.
    - Co-authored full paper publication in WWW (2012).

EDUCATION

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

- Ph.D. in Computer Science.   2015
    - Area of Study: Machine learning and its applications
    - Thesis Title: *Detecting Vandalism on Wikipedia across Multiple Languages*
    - First author full paper publications in TKDE (2015), PAKDD (2013, 2015 - Best Student Paper), CIKM (2013 - Poster and Demo), and AusDM (2013).

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

REFERENCES

Available on request.