Shamil Chollampatt

CONTACT INFORMATION

AS6 #04-13
Department of Computer Science
11 Computing Drive
Singapore 117416

Mobile: +65 9460 5116
E-mail: shamil.cm@gmail.com
Github: shamilcm

RESEARCH INTERESTS

Natural language processing with focus on machine translation, language modeling, grammatical error correction, and application of deep learning.

EDUCATION

National University of Singapore *Singapore*

Doctor of Philosophy (Ph.D.) August 2014 – Present
NUS Graduate School for Integrative Sciences and Engineering

- *Topic*: Neural Network Models for Grammatical Error Correction
- *Advisor*: Hwee Tou Ng
- *GPA:* 4.3/5

National Institute of Technology Calicut *Calicut, India*

Bachelor of Technology (B.Tech) July 2009 – April 2013
Computer Science and Engineering

- *Relevant Coursework*: Topics in Algorithms, Computational Complexity, Computer Security, Data Mining, Computer Networks, Operating Systems, Compilers, Databases.
- *GPA:* 8.97/10 ; *Major GPA*: 9.42/10

PUBLICATIONS

Shamil Chollampatt, Kaveh Taghipour, Hwee Tou Ng. 2016. Neural network translation models for grammatical error correction. To appear in *Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI)*.

Duc Tam Hoang, Shamil Chollampatt, Hwee Tou Ng. 2016. Exploiting n-best hypotheses to improve an SMT approach to grammatical error correction. To appear in *Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI)*.

TEACHING EXPERIENCE

National University of Singapore *Singapore*

Teaching Assistant August 2015 - December 2015
CS1020E - Data Structures and Algorithms I

Teaching Assistant August 2014 - December 2014
CS1020 - Data Structures and Algorithms I

WORK EXPERIENCE

National University of Singapore *Singapore*

Research Assistant January 2015 - May 2015
Worked on spelling correction system which is a part of the NUS Grammar Checker

Oracle India Pvt. Ltd *Bangalore, India*

Member Technical Staff June 2013 - June 2014
Server Technologies (Business Intelligence)
Worked on Real Time Decisions Manager software of the Oracle Business Intelligence suite using JAVA technologies like Oracle Application Development Framework (ADF).

Academic Projects

Incorporating User-Feedback in Music Track Recommendation December 2011

- *Supervisors* : Bhiksha Raj (CMU) and Rita Singh (CMU)
- Implemented a personalized music track recommendation system.
- Tracks were modelled using GMM-UBM (Gaussian Mixture Model-Universal Background Model) and classified as recommended tracks using SVMs trained for each user using active learning by user-feedback.

Experimental Operating System
http://xosnitc.github.com January 2012 – February 2013

- *Supervisor* : Murali Krishnan (National Institute of Technology Calicut)
- Designed and implemented an instructional operating system and underlying architecture with basic features like multiprogramming and filesystem as part of developing operating systems laboratory coursework for junior year undergraduate computer science students.

Awards and Achievements

- Awardee, NUS Graduate School (NGS) Scholarship, August 2014 - July 2018.
- 29^{th} Rank (99.98^{th} percentile) , Graduate Aptitude Test for Engineering (GATE), India.
- First Prize, Games Category, Facebook World Hack 2012 in Bangalore, India, September 2012.

Conferences/ Workshops Attended

Summer School in Theoretical Computer Science organized by the Institute of Mathematical Science (IMSc). *Chennai, May 2012*

Network Optimization and Security Workshop organized by Institute of Mathematical Sciences (IMSc) and Indian Statistical Institute. *Chennai, May 2012*

Winter School on Speech, Multimedia and Machine Learning organized by Carnegie Mellon University and IIIT Delhi *Delhi, December 2011*

Responsibilities / Activities

- Vice Chair, ACM Student Chapter, National Institute of Technology Calicut
- Organizer, FOSSMeet 2010, 2011 and 2013 at National Institute of Technology Calicut.

Skills

- *Programming*: C/C++, Python, Java, PHP, HTML/CSS, Bash, MATLAB
- *Libraries/Toolkits*: Moses, OpenNLP, Weka, LIBSVM, SVM^{light}, Theano, scikit-learn, NumPy
- *Web APIs*: Google Plus, Facebook API
- *Tools*: Git, LaTeX

Languages

1. Malayalam (Native or bilingual proficiency)
2. English (Full professional proficiency)
3. Tamil (Limited working Proficiency)
4. Hindi (Limited working Proficiency)
5. Arabic (Elementary Proficiency)