

Shahryar Baki

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Employment Experiences

- **Software Engineering Manager at FANAP, ICT Subsidiary of Pasargad Financial Group**, Tehran, Iran 2013-2015
Designed and developed embedded applications for various types of POS terminals (C)
Managed development team, implemented and tracked development timelines, and negotiates feature sets with the development leads and end users.
- **Lecturer at Hamedan University of Technology**, Hamedan, Iran 2014
Instructor of two courses; Multimedia Systems and Introduction to Programming
- **Software Engineer at Sharif University CERT**, Tehran, Iran 2011-2013
Implemented a botnet detection system by clustering network traffic using Java
Implemented a DNS sinkhole system using Java
Organized second and third Capture The Flag (CTF) competition
- **Software Engineer at Iran National Search Engine**, Tehran, Iran 2010—2011
Apache Lucene has been customized for Persian language and implemented Map/Reduce based indexer
Worked with Hadoop cluster, HDFS and Hbase

Education

- **Ph.D. in Computer Science** August 2015—expected August 2018
University of Houston, TX, GPA: 3.86/4
Supervisor: Prof. Rakesh Verma
- **M.Sc. in Computer Engineering** 2011—2013
Sharif University of Technology, Iran, GPA: 3.69/4
Thesis: Distributed Denial of Service Attack Mitigation
- **B.Sc. in Computer Engineering** 2007—2011
University of Tehran, Iran, GPA: 3.19/4

Technical Skills

- **Programming languages:** C/C++, Java, Python, R, C#, HTML, lua
- **Platforms:** Linux, Windows, Embedded Linux
- **Other technologies:** MapReduce, Apache Hadoop, Git, SVN, Redmine, iptables, TCPdump, Wire-shark, Snort, MATLAB, MYSQL, Hbase, Wordnet
- **Libraries:** Weka, Scikit-learn, Gensim, Jnetpcap

Technical Projects

- **ICE** 2016
An open-source and academic Idiom and Collocation Extractor (available in ICE Github).

Publications

- Moraes, Luis, **Shahryar Baki**, Rakesh Verma, and Daniel Lee. "University of Houston at CL-SciSumm 2016: SVMs with tree kernels and Sentence Similarity." In BIRNDL@ JCDL, pp. 113-121. 2016.
- R. Verma, V. Vuppuluri, A. Nguyen, A. Mukherjee, G. Mammarr, **S. Baki** and R. Armstrong . "Mining the Web for Collocations: IR Models of Term Associations." International Conference on Intelligent Text Processing and Computational Linguistics, 2016. (**Best Paper** Award - First Place)