

Mitra Bokaei Hosseini

CONTACT INFORMATION	Phone: (830)765-4153 Email : mitra.bokaeihosseini@utsa.edu
INTERESTS	I am interested in software and privacy engineering and their application in preserving users' private information, facilitating privacy requirements and specification generation, and helping developers to generate a code consistent with the permissions and privacy policy in mobile applications.
EDUCATION	<p>University of Texas at San Antonio, San Antonio, Texas USA Ph.D. Student, Computer Science, spring 2014-present (GPA: 3.89)</p> <ul style="list-style-type: none">• Current research: "Detecting Privacy Policy Misalignment with Android mobile application code"• Advisor: Dr. Jianwei Niu (UTSA)• Co-advisor: Dr. Travis Breaux (CMU) <p>K.N.Toosi University of Technology, Tehran, Iran M.S., Information Technology, May, 2011 (GPA: 4.00)</p> <ul style="list-style-type: none">• Thesis: "Evaluating knowledge management capability in organizations using combination of perceptual computing and interval type-2 fuzzy set DEMATEL method"• Advisor: Dr. Mohammad Jafar Tarokh• Brief Synopsis of Research:<ul style="list-style-type: none">○ Perceptual computing is a subjective decision making method that considers the uncertainty related to words through type-2 fuzzy sets (T2 FSs)○ Perceptual computing does not consider the dependencies between criteria.○ The DEMATEL method was used to consider the dependencies between criteria.○ Type-2 fuzzy extension of DEMATEL method was proposed in this research.○ The combination of perceptual computing and DEMATEL method can address the uncertainty related to the words in decision making and also the interrelations between criteria. <p>Qazvin Islamic Azad University, Qazvin, Iran B.S., Information Technology, May, 2008 (GPA: 4.00)</p> <ul style="list-style-type: none">• Thesis: " Developing online bookstore considering digital certificate in both server and client side"• Advisor: Dr. Mohammad Mahdi Roghanizad
ACADEMIC EXPERIENCE	<p>Carnegie Mellon University – June 2016 to August 2016</p> <ul style="list-style-type: none">• Graduate Research Assistant at Institute of Software Research (ISR) <p>University of Texas at San Antonio – January 2014 – Present</p> <ul style="list-style-type: none">• Graduate Research Assistant at UTSA Software Engineering and Formal Methods group (From January 2016 to present)• Teaching Assistant – Various Computer Science Courses (From January 2014 to December 2015)
INDUSTRY EXPERIENCE	<p>MAPNA CO. - JANUARY 2010 TO DECEMBER 2013 (FULL TIME)</p> <ul style="list-style-type: none">• <u>Software Supporting Expert (From May 2012 to December 2013)</u>• <u>System Automation Quality Control Expert (From January 2010 to May 2012)</u>

- PUBLICATIONS**
- To appear: Mitra Bokaei Hosseini, Sudarshan Wadkar, Travis D. Breaux, Jianwei Niu, Lexical Similarity of Information Type Hypernyms, Meronyms and Synonyms in Privacy Policies, in *Proceedings of AAAI 2016 FALL SYMPOSIUM on Privacy and Language Technologies*, Arlington, Virginia, November 17-19, 2016.
 - Rocky Slavin, Xiaoyin Wang, Mitra Bokaei Hosseini, William Hester, Ram Krishnan, Jaspreet Bhatia, Travis D. Breaux and Jianwei Niu, PVDetector: A Detector of Privacy-policy Violations for Android Apps, in *Proceedings of International Conference on Mobile Software Engineering and Systems (MobileSoft '16)*, Austin, TX, May 16-17, 2016.
 - Rocky Slavin, Xiaoyin Wang, Mitra Bokaei Hosseini, William Hester, Ram Krishnan, Jaspreet Bhatia, Travis D. Breaux and Jianwei Niu, Toward a Framework for Detecting Privacy Policy Violation in Android Application Code, in *Proceedings of 38th International Conference on Software Engineering (ICSE '16)*, Austin, TX, May 14-22, 2016.
 - Bokaei Hosseini, M., & Tarokh, M.J. Type 2 Fuzzy Set extension of DEMATEL method combined with perceptual computing for decision making. *Journal of Industrial Engineering International*, 2013, 9:10.
 - Bokaei Hosseini, M., & Tarokh, M.J. Interval Type-2 Extension of DEMATEL Method. Presented in International Conference on Computational Intelligence and Information Technology (CIIT), *Communications in Computer and Information Science* Volume 250, 2011, pp 157-165.
 - Bokaei Hosseini, M., & Tarokh, M.J. Customer Segmentation Using CLV Elements. *Journal of Service Science and Management (JSSM)*, Vol. 4, No. 3, September 2011.
- COMPUTER SKILLS**
- Languages:
 - Java
 - Scala
 - <https://bitbucket.org/pfv610/compiler-project>
 - Other:
 - Natural Language Processing
 - <https://bitbucket.org/pfv610/nlpsuiteforpolidroid>
 - Ontology Construction and Knowledge Representation
 - <https://bitbucket.org/pfv610/mobile-privacy-policy-ontology>
 - <https://bitbucket.org/pfv610/finding-ancestors-of-classes-in-ontology>
- HONORS**
- Graduate full Scholarship in Information Technology (2009-2011)
 - Rank 5 in M.Sc. graduation
 - Rank 3 in B.Sc. graduation
- VOLUNTEERING EXPERIENCES**
- Programmer in San Antonio Youth Code Jam – November 2015 to present
 - Computer Science Graduate Student Association (CSGSA) Vice President – August 2015 to present
- CERTIFICATES**
- Information Security Management (ISMS) Auditor / Lead Auditor (In Accordance with ISO 27001:2005, TUV Nord, License A17242/2013/037)
 - ITIL Foundation in IT Service Management, PEOPLECERT, GR750008444MB