Emerson A. Azarbakht

Contact Info

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Nationality

Canadian Permanent Resident, Iranian Citizen, Eligible to work in the U.S.

Education

Ph.D., Computer Science *2011-2016(expected)*
Oregon State University, USA
Dissertation: Longitudinal analysis and statistical modeling of collaboration graphs of software development in forked open source projects

M.S., Computer Science *2009-2011*
Chalmers University of Technology, Sweden

B.S., Computer Engineering *2004-2008*
Azad University of Central Tehran, Iran

Skills

Programming: Java (expert), Python (proficient), C (proficient), MATLAB (expert), C++ (prior experience), Bash (proficient)
Statistical Analysis: R (expert)
Databases: SQL, Hive, Neo4j, Cypher
Tools: Git, Hadoop, Gephi, LaTeX, Linux/Unix

Experience

Software Engineering, Usability & Programming Languages Lab **Research Assistant**
School of Electrical Engineering & Computer Science, Oregon State University *2012 - present*
Research on longitudinal statistical modeling of collaboration graphs of forked open source software development projects

Usability Engineering (User Experience Research) (CS 352) **Instructor**
School of Electrical Engineering & Computer Science, Oregon State University *2014 - 2016*

Computer Graphics, Visualization, and Vision Lab **Research Assistant**
School of Electrical Engineering & Computer Science, Oregon State University *2011 - 2012*

Data Structures (CS 261) **Teaching Assistant**
School of Electrical Engineering & Computer Science, Oregon State University *2012-2014*

Publications

- Azarbakht, E. A., "Longitudinal Analysis of Collaboration Graphs of Forked Open Source Software Development Projects Using An Actor-oriented Social Network Analysis," *Proc. Int'l. Network for Social Network Analysis Sunbelt conf.*, 2016.
- Azarbakht, E. A., "Longitudinal Analysis of Collaboration Graphs of Forked Open Source Software Development Projects," *Proc. 12th Int'l. Conf. Open Source Systems Doct. Cons.*, 2016.
- Azarbakht, A. and C. Jensen, "Drawing the Big Picture: Temporal Visualization of Dynamic Collaboration Graphs of OSS Software Forks," *Proc. 10th Int'l. Conf. Open Source Systems*, 2014.
- Azarbakht, A. and C. Jensen, "Temporal Visualization of Dynamic Collaboration Graphs of OSS Software Forks," *Proc. Int'l. Network for Social Network Analysis Sunbelt conf.*, 2014.
- Davidson, J, R. Naik, A. Mannan, A. Azarbakht, C. Jensen, "Investigating Older Adults' Experiences with Contributing to Free/Open Source Software," *Proc. IEEE Symp. Visual Languages and Human-Centric Computing*, 2014.
- Azarbakht, A., "Temporal Visualization of Collaborative Software Development in FOSS Forks," *Proc. IEEE Symp. Visual Languages and Human-Centric Computing*, 2014.
- Azarbakht, A., "Drawing the Big Picture: Analyzing FLOSS Collaboration with Temporal Social Network Analysis," *Proc. 9th Int'l. Symp. Open Collaboration*, 2013.
- Azarbakht, A. and C. Jensen, "Analyzing FOSS Collaboration & Social Dynamics with Temporal Social Networks," *Proc. 9th Int'l. Conf. Open Source Systems Doct. Cons.*, 2013.

Graduate Coursework

- Machine Learning
- Time Series Analysis
- Artificial Intelligence
- Stochastic Optimization
- Statistical Methods of Data Analysis
- Theory of Statistics I & II
- Computer Vision
- Algorithms & Data Structures
- Mobile & Cloud Software Development
- Qualitative & Quantitative Research Methods