Emerson A. Azarbakht

Contact Information

(347) 276-0790
azarbaam@eecs.oregonstate.edu
https://linkedin.com/in/azarbakht
http://eecs.oregonstate.edu/people/azarbakht

3048 Kelley Engineering Center
Corvallis, OR 97330

Nationality

Canadian permanent resident, Iranian citizen

Education

Ph.D., Computer Science *(2011-present)*
Oregon State University, Corvallis, OR USA
Thesis Title: Temporal Analysis and Visualization of Dynamic Collaboration Graphs of Open Source Software Development Community Forks — Ph.D. Advisor: Prof. Carlos Jensen

M.S., Computer Science *(2009-2011)*
Chalmers University of Technology, Gothenburg Sweden
M.S. Thesis: An Evolutionary Algorithm for Computer-Generated Music Ranking

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

Professional Skills

Programming: MATLAB, Java, Python, C, C++, Bash
Databases: SQL, Hive, Neo4j Graph Databases, Cypher
Tools: Git, Hadoop, Gephi, LaTeX
Statistical Analysis: R
Platforms: Linux/Unix

Research Experience

Open Source Research and HCI Lab **Research Assistant**
3048 EECS Department, Oregon State University *(2012-present)*
Research on social dynamics of open source software development

Computer Vision Lab **Research Assistant**
2126 EECS Department, Oregon State University *(2011-2012)*
Research on activity recognition in videos

Teaching Experience

Interaction Design **Instructor**
Electrical Engineering & Computer Science Department *Summer 2014, Fall 2014, Winter 2015 Spring 2015*
Oregon State University

C Programming & Data Structures **Teaching Assistant**
Electrical Engineering & Computer Science Department *Fall 2012, Winter 2012, Fall 2013, Spring 2013, Spring 2014*
Oregon State University

Publications

- 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.
- 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.
- 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.

Graduate Coursework

- Machine Learning
- Artificial Intelligence
- Stochastic Optimization
- Statistical Methods of Data Analysis
- Theory of Statistics I & II
- Computer Vision
- Algorithms & Data Structures
- Mobile & Cloud Software Development
- Unix Internals: FreeBSD Operating System
- Qualitative & Quantitative Research Methods

References

Available upon request