

Emerson A. Azarbakht

CONTACT INFO	(347) 276-0790 emerson.azarbakht@gmail.com Linkedin.com/in/azarbakht Github.com/azarbakht	San Francisco, CA 94134
NATIONALITY	Canadian Permanent Resident	
SKILLS	Programming: Java (expert), Python (proficient), R (expert), MATLAB (expert), C (proficient), C++ (prior experience), Bash (prior experience) Statistical Analysis: R (expert) Database: MySQL , Hive , Neo4j Tools: Git , Hadoop , Linux	
EDUCATION	Ph.D., Computer Science , <i>Oregon State University</i> <i>Longitudinal analysis & statistical modeling of collaboration graphs of software development</i> M.S., Computer Science , <i>Chalmers University of Technology</i> , Sweden	2011-2017 2009-2011
EXPERIENCE	Data Science Research Assistant , <i>School of Computer Science, Oregon State University</i> <i>Software Engineering, Usability & Programming Languages Lab</i> Developed statistical models for changing social networks. (Think how <i>your</i> LinkedIn network has changed over time & what that says about you & your workplaces.) Faculty Instructor , <i>School of Computer Science, Oregon State University</i> <i>Open Source Software Development (CS 464)</i> <i>User Experience Design (CS 352)</i> Helped 1,070 post-baccalaureate students switch careers and get CS jobs. Developed a CS course for the OSU Online CS program (Ranked #7 in the United States) Data Structures Teaching Assistant , <i>School of Computer Science, Oregon State University</i> <i>Data Structures (CS 261)</i> Wrote Bash shell scripts to automate compilation, execution and grading Helped 500+ students debug C programs.	2011-2017 2017 2014-2016
PROJECTS	A Statistical Approach for Modeling Longitudinal Change in Social Networks Developed a comparative approach to quantify social dynamics, found a well-fitting statistical model of covariates for longitudinal changes in social graphs of software development A Machine Learning Approach for Taming Compiler Fuzzers Developed a comparative cluster-ensemble approach to tame compiler fuzzers, improved state-of-the-art, as our approach found more unique bugs than the state-of-the-art. An Augmented Reality Mirror: aMir Developed a prototype of a augmented mirror to practice interaction design by doing. The project combined technical knowledge with design thinking.	2014-2017 2014 2010
PUBLICATIONS	<ul style="list-style-type: none">Azarbakht, E. A., "Longitudinal Analysis of Collaboration Graphs of Forked Open Source Software Development Projects Using An Actor-oriented Social Network Analysis," <i>Proc. Int'l. Net. for Social Net. Analysis conf.</i>, 2016.Azarbakht, E. A., "Longitudinal Analysis of Collaboration Graphs of Forked Open Source Software Development Projects," <i>Proc. 12th Int'l. Conf. Open Source Systems Doct. Cons.</i>, 2016.Azarbakht, A. and C. Jensen, "Drawing the Big Picture: Temporal Visualization of Dynamic Collaboration Graphs of OSS Software Forks," <i>Proc. 10th Int'l. Conf. Open Source Systems</i>, 2014.Azarbakht, A. and C. Jensen, "Temporal Visualization of Dynamic Collaboration Graphs of OSS Software Forks," <i>Proc. Int'l. Network for Social Network Analysis Sunbelt conf.</i>, 2014.Davidson, J, R. Naik, A. Mannan, A. Azarbakht, C. Jensen, "Investigating Older Adults' Experiences with Contributing to Free/Open Source Software," <i>Proc. IEEE Symp. Visual Languages and Human-Centric Computing</i>, 2014.Azarbakht, A., "Temporal Visualization of Collaborative Software Development in FOSS Forks," <i>Proc. IEEE Symp. Visual Languages and Human-Centric Computing</i>, 2014.Azarbakht, A., "Drawing the Big Picture: Analyzing FLOSS Collaboration with Temporal Social Network Analysis," <i>Proc. 9th Int'l. Symp. Open Collaboration</i>, 2013.Azarbakht, A. and C. Jensen, "Analyzing FOSS Collaboration & Social Dynamics with Temporal Social Networks," <i>Proc. 9th Int'l. Conf. Open Source Systems Doct. Cons.</i>, 2013.	
GRADUATE COURSES	<ul style="list-style-type: none">Machine LearningTime Series AnalysisStatistical Methods of Data AnalysisTheory of Statistics I & IIStochastic OptimizationArtificial IntelligenceAlgorithms & Data StructuresMobile & Cloud Software Development	