

MIROSLAV TUSHEV

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EDUCATION

Ph.D. in Computer Science

ongoing

Louisiana State University, Department of Computer Science

Topic: Digital Discrimination in the Sharing Economy

Advisor: Anas Mahmoud

M.S. in Computer Science

August 2018

Louisiana State University, Department of Computer Science

Topic: Using GitHub in Software Engineering Education

Advisor: Anas Mahmoud

B.Sc in Management

May 2014

The Russian Presidential Academy of National Economy and Public Administration

RESEARCH

Digital discrimination, requirements engineering, code evolution analysis, mobile app analytics, bug localization, and mining software repositories.

PUBLICATIONS

1. *Classifying Mobile Applications Using Word Embeddings*
F. Ebrahimi, **M. Tushev**, and A. Mahmoud, Transactions on Software Engineering and Methodology (**TOSEM**), 2021 (*to appear*).
2. *Analysis of Non-Discrimination Policies in The Sharing Economy*
M. Tushev, F. Ebrahimi, and A. Mahmoud, Intr. Conf. on Soft. Main. Evol (**ICSME'21**)
Acceptance rate: 43/179 (24%)
3. *Mobile App Privacy in Software Engineering Research: A Systematic Mapping Study*
F. Ebrahimi, **M. Tushev**, A. Mahmoud, Information and Soft. Tech. (**IST**), 2020.
4. *Modeling User Concerns in Sharing Economy: The Case of Food Delivery Apps*
G. Williams, **M. Tushev**, F. Ebrahimi, and A. Mahmoud, Auto. Soft. Eng. (**ASEJ**), 2020.
5. *Digital Discrimination in Sharing Economy: A Requirements Engineering Perspective*
M. Tushev, F. Ebrahimi, and A. Mahmoud, Inter. Requirements Eng. Conf. (**RE'20**)
Acceptance rate: 20/82 (24%)
6. *Linguistic Documentation of Software History*
M. Tushev and A. Mahmoud, Inter. Conf. on Program Comprehension (**ICPC'20**)
Acceptance rate: 8/14 (57%)
7. *On Combining IR Methods to Improve Bug Localization*
S. Khatiwada, **M. Tushev**, and A. Mahmoud, Inter. Conf. on Prog. Compr. (**ICPC'20**).
8. *Using GitHub in Large Software Engineering Classes: An Exploratory Case Study*
M. Tushev, G. Williams, A. Mahmoud, Computer Science Education (**CSE**), 2019.
9. *Linguistic Change in Open Source Software*
M. Tushev, S. Khatiwada, A. Mahmoud, Intr. Conf. on Soft. Main. Evol (**ICSME'19**)
Acceptance rate: 26/46 (57%)
10. *An Information Theoretic Approach for IR-Based Software Bug Localization*
S. Khatiwada, **M. Tushev**, A. Mahmoud, Information and Software Technology (**IST**), 2018.

PRESENTATIONS AND TALKS

1. Digital Discrimination in Sharing Economy: A Requirements Engineering Perspective
Inter. Requirements Engineering Conf. (RE), 2020 (virtual).
2. Linguistic Documentation of Software History
Inter. Conf. on Program Comprehension (ICPC), 2020 (virtual).
3. Linguistic Change in Open Source Software
International Conference on Software Maintenance and Evolution (ICSME), 2019.

WORK EXPERIENCE

Research Assistant

May 2018 to present

Louisiana State University, Department of Computer Science and Engineering

I conduct research in the area of Software Engineering under the supervision of Dr. Anas Mahmoud using state-of-the-art NLP and ML techniques. In my research, I focus on user concerns in mobile apps. Specifically, I tackle the problem of digital discrimination on gig economy platforms, such as Uber, Lyft and Airbnb. My previous work included mining software repositories, code evolution in Open Source Software and using GitHub in Software Engineering education.

Teaching Assistant

August 2018 to May 2020

Louisiana State University, Department of Computer Science and Engineering

CSC 4330 Software Systems Development (100+ students), CSC 2262 Numerical Methods with MATLAB (60 students), CSC 1351 Computer Science II for Majors with Java (100+ students), CSC 1253 Introduction to Computer Science with C++ (up to a 100 students), Computer Science and Programming for K-12 students (summer camp, 20 students)

Graduate Assistant

August 2015 to May 2018

Louisiana State University, International Services Office

TECHNICAL EXPERIENCE

Data Analysis: pandas, numpy, sklearn, scipy, spacy, keras, tensorflow, NLTK, gensim, SPSS, Stata

Programming: Python, Java, C#, C, bash, tex, html, CSS

Visualization: matplotlib, seaborn, ggplot, networkx

PROFESSIONAL SERVICE

• Student Volunteer

International Conference on Software Engineering (ICSE 2021)

• Web and Social Media Chair

Crowd-Based Requirements Engineering (CrowdRE 2020, 2021)

• Program Committee

IEEE International Requirements Engineering Conference. Artifacts Track (RE Artifacts 2021)

International Conference on Software Engineering. Demo Track (ICSE Demo 2020)

Mining Software Repositories 2021 (Shadow PC)

• Reviewer

Empirical Software Engineering