MIROSLAV TUSHEV

+1 (225) 937-6341 ⋄ miroslavtushev@gmail.com ⋄ miroslavtushev.com ⋄ github.com/miroslavtushev

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. *A Framework for Digital Discrimination in Sharing Economy*
   M. Tushev, F. Ebrahimi, and A. Mahmoud, Trans. on Soft. Eng. (**IEEE TSE**), 2021
   (*under review*).

2. *Classifying Mobile Applications Using Word Embeddings*
   F. Ebrahimi, **M. Tushev**, and A. Mahmoud, Trans. on Soft. Eng. and Method. (**ACM TOSEM**), 2021
   (*under review*).

3. *Analysis of Non-Discrimination Policies in Sharing Economy*
   M. Tushev, F. Ebrahimi, and A. Mahmoud, Intr. Conf. on Soft. Main. Evol (**ICSME'21**)

4. *Mobile App Privacy in Software Engineering Research: A Systematic Mapping Study*
   F. Ebrahimi, **M. Tushev**, A. Mahmoud, Information and Soft. Tech. (**IST**), 2020.

5. *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.

6. *Digital Discrimination in Sharing Economy: A Requirements Engineering Perspective*
   M. Tushev, F. Ebrahimi, and A. Mahmoud, Inter. Requirements Eng. Conf. (**RE'20**).

7. *Linguistic Documentation of Software History*
   M. Tushev and A. Mahmoud, Inter. Conf. on Program Comprehension (**ICPC'20**).

8. *On Combining IR Methods to Improve Bug Localization*
   S. Khatiwada, **M. Tushev**, and A. Mahmoud, Inter. Conf. on Prog. Compr. (**ICPC'20**).

9. *Using GitHub in Large Software Engineering Classes: An Exploratory Case Study*
   M. Tushev, G. Williams, A. Mahmoud, Computer Science Education (**CSE**), 2019.

10. *Linguistic Change in Open Source Software*
    M. Tushev, S. Khatiwada, A. Mahmoud, Intr. Conf. on Soft. Main. Evol (**ICSME'19**).

11. *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.

2. Linguistic Documentation of Software History
   Inter. Conf. on Program Comprehension (ICPC), 2020.

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

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TECHNICAL EXPERIENCE

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

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

Visualization: matplotlib, seaborn, ggplot, networkx

Misc: git

PROFESSIONAL SERVICE

Student Volunteer
ICSE'21

Web and Social Media Chair
CrowdRE'20, CrowdRE'21

Shadow PC
MSR'21

Reviewer
ICSE Demo Track 2020
EMSE