

MIROSLAV TUSHEV

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EDUCATION

Ph.D. in Computer Science

ongoing

Louisiana State University, Department of Computer Science

Topic: Digital Discrimination in Gig Economy

Advisor: Anas Mahmoud

M.S. in Computer Science

August 2018

Louisiana State University, Department of Computer Science

Topic: GitHub usage in Software Engineering education

Advisor: Anas Mahmoud

B.Sc in Management

May 2014

The Russian Presidential Academy of National Economy and Public Administration

RESEARCH

Discrimination in gig economy, natural language processing and applications, 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, (pending) 2021.
2. *Mobile App Privacy in Software Engineering Research: A Systematic Mapping Study*
F. Ebrahimi, **M. Tushev**, A. Mahmoud, Information and Soft. Tech. (**IST**) 2020.
3. *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.
4. *Digital Discrimination in Sharing Economy: A Requirements Engineering Perspective*
M. Tushev, F. Ebrahimi, and A. Mahmoud, Inter. Requirements Eng. Conf. (**RE**), 2020.
5. *Linguistic Documentation of Software History*
M. Tushev and A. Mahmoud, Inter. Conf. on Program Comprehension (**ICPC**), 2020.
6. *On Combining IR Methods to Improve Bug Localization*
S. Khatiwada, **M. Tushev**, and A. Mahmoud, Inter. Conf. on Prog. Compr. (**ICPC**), 2020.
7. *Using GitHub in Large Software Engineering Classes: An Exploratory Case Study*
M. Tushev, G. Williams, A. Mahmoud, Computer Science Education (**CSE**), 2019.
8. *Linguistic Change in Open Source Software*
M. Tushev, S. Khatiwada, A. Mahmoud, Intr. Conf. on Soft. Main. Evol (**ICSME**), 2019.
9. *An Information Theoretic Approach for IR-Based Software Bug Localization*
S. Khatiwada, **M. Tushev**, A. Mahmoud, Information and Software Technology (**IST**), 2018, vol. 93, pp. 45-57.

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. In my research, I focus on user concerns in Gig Economy apps (Uber, Lyft, Airbnb, etc.) My current project involves applying NLP state-of-the-art models, machine learning, and statistical techniques to extract and classify discrimination concerns from social media and apps' policies.

My previous work included mining software repositories, with emphasis on linguistic change in Open Source Software (OSS) and using OSS in SE 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

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

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

Visualization: matplotlib, seaborn, ggplot, networkx

Misc: git

PROFESSIONAL SERVICE

Student Volunteer

ICSE, 2021

Web and Social Media Chair

CrowdRE, 2021

Shadow PC

MSR, 2021

Web and Social Media Chair

CrowdRE, 2020

Reviewer

ICSE Demo Track, 2020