

Miroslav Tushev

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EDUCATION

- Ph.D. in Computer Science** 2022
Louisiana State University, Department of Computer Science
- M.S. in Computer Science** August 2018
Louisiana State University, Department of Computer Science
- B.Sc in Management** May 2014
The Russian Presidential Academy of National Economy and Public Administration

PROFILE

I am a research assistant at Louisiana State University with 3+ years of experience in data analysis seeking a data scientist position. Strong publication record in top-tier peer-reviewed venues in collaboration with other scientists. Skilled in statistical analysis, including inferential and descriptive statistics, experiments, and machine learning, with the focus on text processing (NLP).

WORK EXPERIENCE

- Research Assistant** May 2018 to present
Louisiana State University, Department of Computer Science and Engineering
Conducted research in the area of Software Engineering under the supervision of Dr. Anas Mahmoud. Collected, organized, and preprocessed large datasets of user feedback (reviews, tweets) to provide insights for stakeholders. Applied state-of-the-art ML models and statistical analysis. Collaborated with other scientists to publish high quality peer-reviewed papers in scientific journals. Attended top scientific conferences in my field.
- Teaching Assistant** August 2018 to May 2020
Louisiana State University, Department of Computer Science and Engineering
Assisted computer science students during office hours, graded papers and tests, and proctored exams for the following computer science courses: 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).

TECHNICAL EXPERIENCE

- Data Analysis:** MySQL, pandas, numpy, sklearn, scipy, spacy, NLTK, gensim, SPSS, Stata
- Programming:** Python, Java, C#, C, bash, tex, html, CSS
- Visualization:** matplotlib, seaborn, ggplot, networkx

PUBLICATIONS

- Classifying Mobile Applications Using Word Embeddings*
F. Ebrahimi, **M. Tushev**, and A. Mahmoud, Transactions on Software Engineering and Methodology (**TOSEM**), 2021.
- 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%)
- 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. Analysis of Non-Discrimination Policies in The Sharing Economy
International Conference on Software Maintenance and Evolution (ICSME), 2021 (virtual).
2. Digital Discrimination in Sharing Economy: A Requirements Engineering Perspective
Inter. Requirements Engineering Conf. (RE), 2020 (virtual).
3. Linguistic Documentation of Software History
Inter. Conf. on Program Comprehension (ICPC), 2020 (virtual).
4. Linguistic Change in Open Source Software
International Conference on Software Maintenance and Evolution (ICSME), 2019.

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**
International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ 2022)
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, Journal of Software: Evolution and Process