

# MIROSLAV TUSHEV

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Baton Rouge, Louisiana, 70803

## EDUCATION

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|--------------|---|-------------|
| <b>Ph.D.</b> | Louisiana State University, Department of Computer Science<br>Topic: Digital Discrimination in Sharing Economy<br>Advisor: Anas Mahmoud | ongoing     |
| <b>M.S.</b>  | Louisiana State University, Department of Computer Science<br>Computer Science and Engineering<br>Advisor: Anas Mahmoud                 | August 2018 |
| <b>B.Sc.</b> | The Russian Presidential Academy of National Economy<br>and Public Administration<br>Major: Management and Organization                 | July 2014   |

## RESEARCH

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Mobile app analytics, discrimination in sharing economy, human-mobile interaction, code evolution analysis, human factors in OSS development, bug localization, and mining software repositories.

## PUBLICATIONS

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- [1] . *A Framework for Digital Discrimination in Sharing Economy*  
**M. Tushev** and A. Mahmoud, Intr. Conf. Soft. Eng. (**ICSE**), (under review) 2021.
- [2] . *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.
- [3] . *Digital Discrimination in Sharing Economy: A Requirements Engineering Perspective*  
**M. Tushev**, F. Ebrahimi, and A. Mahmoud, Inter. Requirements Eng. Conf. (**RE**), 2020.
- [4] . *Linguistic Documentation of Software History*  
**M. Tushev** and A. Mahmoud, Inter. Conf. on Program Comprehension (**ICPC**), 2020.
- [5] . *On Combining IR Methods to Improve Bug Localization*  
S. Khatiwada, **M. Tushev**, and A. Mahmoud, Inter. Conf. on Prog. Compr. (**ICPC**), 2020.

- [6] . *Using GitHub in Large Software Engineering Classes: An Exploratory Case Study*  
**M. Tushev**, G. Williams, A. Mahmoud, Computer Science Education (**CSE**), 2019.
- [7] . *Mobile App Privacy in Software Engineering Research: A Systematic Mapping Study*  
F. Ebrahimi, **M. Tushev**, A. Mahmoud, arXiv preprint arXiv:1910.03622, 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

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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

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**Louisiana State University** **May 2018 to present**  
Research Assistant, 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 tackle subjects related to mobile app store analytics, with focus on user concerns in Sharing Economy apps (Uber, Lyft, etc.). I am also interested in mining software repositories, with emphasis on linguistic change in Open Source Software (OSS) and using OSS in SE education.

**Louisiana State University** **August 2018 to May 2020**  
Teaching Assistant, Department of Computer Science and Engineering

Assisted students in the lab, graded student submissions and exams, provided help during office hours for the following 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)

**Louisiana State University**

**June 2019**

Teaching Assistant, Intro to Computer Science and Programming for K-12 students (summer camp)

- Assisted students in the summer camp: 2 weeks and 2 groups of students (9th grade and 12th grade)
- Gave lectures on Python programming, including basics (I/O, data structures, control flow) and advanced (sorting algorithms)
- Helped students with SparkFun (Arduino-based) kits and Java programming, basic hardware programming
- Gave tours of Louisiana State University campus to students

**Louisiana State University**

**June 2019**

Research Assistant, School of Library & Information Science

- Worked under the supervision of prof. Seungwon Yang, on identifying fake news on Twitter in regards to natural disasters, specifically, hurricane Harvey
- Using a large Twitter dataset, conducted manual and automated analysis of tweet content
- Used Python libraries (NumPy, Matplotlib, NetworkX) for analyzing tweet content and visualization tweet/retweet graphs

**Louisiana State University**

**August 2015 to May 2018**

Graduate Assistant, International Services Office

- Compiled documents for H1B visas
- Filled out necessary forms for USCIS and Dept. of Labor (LCA, I-129, I-907, etc.)
- Assisted in Green Card application process – filled out petitions and collected documents
- Managed employee data using Microsoft Office

## TECHNICAL EXPERIENCE

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- Skills: Python, Java, C#, C, Bash, tex, MATLAB, html/CSS, git
- Statistics: SPSS, R, SciPy, TensorFlow

## PROFESSIONAL SERVICE

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### **Web and Social Media Chair**

CrowdRE, 2020