

FAHIMEH EBRAHIMI

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EDUCATION

- **Louisiana State University** Baton Rouge, LA
Ph.D. in Computer Science; GPA: 4.1 Jan. 2018 – May. 2022
- **Amirkabir University of Technology** Tehran, Iran
Master of Science in Information Technology Engineering; GPA: 4.0 Sep. 2013 – Oct. 2015
- **Amirkabir University of Technology** Tehran, Iran
Bachelor of Science in Information Technology Engineering; GPA: 3.52 Sep. 2009 – Sep. 2013

RESEARCH INTEREST

- Requirement Engineering
- Natural Language Processing
- Data Mining & Machine Learning
- App Store Analysis

PUBLICATIONS

- **F. Ebrahimi**, M. Tushev, and A. Mahmoud, “*Mobile App Privacy in Software Engineering Research: A Systematic Mapping Study*”, Information and Software Technology (IST 2020)
- G. Williams, M. Tushev, **F. Ebrahimi**, and A. Mahmoud, “*Modeling User Concerns in Sharing Economy: The Case of Food Delivery Apps*”, Automated Software Engineering (ASEJ 2020)
- M. Tushev, **F. Ebrahimi**, and A. Mahmoud, “*Digital Discrimination in Sharing Economy: An RE Perspective*”, IEEE Requirements Engineering Conference (RE 2020)
- **F. Ebrahimi**, M. Tushev, and A. Mahmoud, “*Classifying Mobile Applications using Word Embedding*”, ACM Transactions on Software Engineering and Methodology (TOSEM 2020) (submitted)
- **F. Ebrahimi** and S. A. H. Golpayegani, “*Personalized Recommender System Based on Social Relations*”, Conference on Electrical Engineering (2016)

EXPERIENCE

- **Septa Co.** Tehran, Iran
Mobile Developer Dec 2015 - Nov 2017
 - **Android & iOS:** Design and develop the mobile application of the company’s CRM.
- **Paya System Solution** Tehran, Iran
Database Developer (Internship) May 2012 - Sep 2012
 - **SQL Database:** Design, implement, and maintain the company’s database.

TEACHING & RESEARCH EXPERIENCE

- **Louisiana State University** Baton Rouge, LA
Research and Teaching Assistant Spring 2018 - present
 - **Research Assistant:** Research on user privacy concerns, app store analysis, app classification, etc.
 - **Teaching Assistant:** Teaching Python in LSU 2019 CSE K12 Summer Camps, Teaching Operating Systems, Stats & Graph MATLAB, and Numerical Methods.
- **Amirkabir University of Technology** Tehran, Iran
Research and Teaching Assistant Fall 2013 - Fall 2015
 - **Research Assistant:** Research on recommender systems and social network analysis.
 - **Teaching Assistant:** Teaching Business Process Re-Engineering .

SELECTED PROJECTS

- **Mobile App Classification:** Implement a high quality app classification techniques using word embeddings.
- **Authorship Prediction:** Link prediction between authors using social network analysis and machine learning.
- **Pattern Matching:** Implement a pattern matching algorithm using Burrows-Wheeler transform and wavelet tree.
- **Recommendation System:** Movie recommender systems using collaborative filtering on public datasets.

HONORS & AWARDS

- Grace Hopper Celebration(GHC) speaker award, 2020.
- NSF travel award to attend StringBio workshop, 2018.
- Awarded as Outstanding Student in Amirkabir University of Technology, 2011.
- 2nd place award among M.Sc. students in Amirkabir University of Technology, 2015.
- 2nd place award among B.Sc. students in Amirkabir University of Technology, 2013.
- Honorary admission for the graduate study program at the Amirkabir University of Technology, 2013.
- Ranked top 0.1% in the Iranian nationwide university entrance examination among 400,000 participants, 2009.

TECHNICAL SKILLS

- **Programming Languages:** Python | Java | C# | C
- **Python Libraries:** Keras | Tensorflow | Gensim | NLTK | StanfordNLP | Numpy | Pandas | Sklearn
- **Mobile Development:** Android | iOS | Xamarin | Flutter
- **Database Development:** MySQL
- **Web Development:** ASP.Net

RELATED COURSEWORK

Deep Learning | Natural Language Processing | Machine Learning | Statistics Advanced Algorithm | Predictive Data Analysis | Programming Language Structures | Software Engineering | Advanced Operating System

REFERENCES

Available Upon Request