

## Sorour Jahanbin

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### Profile

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I am interested to present in a team project and collaborative with experts in different fields. I want to improve myself and get experience to get in the upper position of science. I am a full-time Early Stage Researcher at the Department of Computer Science of the University of York, in the context of Lowcomote Marie Skłodowska-Curie Innovative Training Network, funded by the European Commission.

### Research Interest

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- Model Loading
- Memory Management
- Low-code Development
- Model-Driven Engineering
- Software Development

### Education

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University of York, York, United Kingdom Sep. 2019 – Now

PhD of Computer Science

Thesis title: Intelligent Run-Time Partitioning of Low-Code System Models

Supervisor: Prof.Dimitris Kolovos

University of Isfahan, Isfahan, Iran Sep. 2016 – March 2019

M.Sc. in Computer Engineering (Software)

Thesis title: An approach for generating test models in model transformation testing

Supervisor: Dr.Bahman Zamani

Shahid Chamran University, Ahvaz, Iran Sep. 2011 – Sep.2015

B.Sc. in Computer Engineering (Software)

### Selected Projects

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Course: Automatic Verification

- Model Checking
- A project about automated testing test generation using model checking with UPPAL

Course: Software Architecture

- Architecture patterns
- A project about architectural analysis of municipal waste management systems

Course: Dynamic Complex Networks

- Social network and complex network analysis
- Work with Gephi tool

Course: Specific topic in software

- Model-Driven engineering, Model transformation programs, model management languages like Epsilon languages, ATL.

Course: Thesis

- A new approach for generation models in model transformation testing  
Implement a tool for generating test models with a graphical interface using Java, EPL and EMG languages.

#### Course: Software Engineering

- Design and develop management software for a computer institute, with the ability to enrol the students, accounting management, add new courses, plan of classes and store student and employer's information using Java, Linq, SQL Server and UML diagram.

#### Experiences

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- 2 months internship at Ahvaz Steel Company, Iran
- An Active member of MDE research group and facilitator of an MDE workshop-theory and practice
- A member of Automated Software Engineering (ASE) research group at University of York

#### Publication

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- Sorour Jahanbin, Dimitris Kolovos, and Simos Gerasimou. 2020. Intelligent run-time partitioning of low-code system models. In Proceedings of the 23rd ACM/IEEE International Conference on Model Driven Engineering Languages and Systems: Companion Proceedings (MODELS '20).
- S. Jahanbin and B. Zamani, "Test Model Generation Using Equivalence Partitioning," 2018 8th International Conference on Computer and Knowledge Engineering (ICCKE), Mashhad, 2018.

#### Skills

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##### Computer Skills

- Java, Csharp, SQL Server, Epsilon Language
- Experience with Eclipse editor and Eclipse Modelling Language (EMF)
- MDE, Model Transformation
- Windows, Microsoft office, LATEX

##### Languages

- English professional working proficiency
- Persian Native

#### Reference

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Prof.Dimitris Kolovos

Professor

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