

CONTACT INFORMATION

Department of Informatics, Bioengineering, Robotics and System Engineering, Genova, Italy

Phone: +39 3279029518
E-mail: 5245307@studenti.unige.it
Gmail: Mashmol.amir@gmail.com

RESEARCH PROFILE LINKS



RESEARCH INTERESTS

- ◇ Software Engineering, Empirical Software Engineering
- ◇ Artificial Intelligence, Machine Learning, Deep Learning

EDUCATION

- ◇ **University of Genova**, Genova, Liguria, Italy Sep2021-Present
M.Sc. in Computer Science (Data Science and Engineering)
Current GPA: 96/110 without thesis grade.
Final GPA in Italy: GPA+thesis grade(10)
Notable Scores: Data Warehousing(28/30), Internet Of Things(30/30), Topics In Computer Science(29/30), Multiagent Systems(27/30), Computer Games(28/30), Data Protection and Privacy (Trenta e Lode) Trenta e Lode= 30 with Honors.
- ◇ **University of Birjand**, Birjand, South Khorasan Province, Iran Sep2016-July2021
B.Sc. in Computer Engineering (Software Engineering)
Thesis title: A Statistical Model to Assess the Team's Productivity in Agile Software Teams
Thesis Grade: 20/20. Thesis Supervisor: [Samiyeh Khosravi](#)
Overall GPA:15.23/20, GPA (last two semesters):17.24/20
Notable Scores: Computer Digital System Design(17/20), Entrepreneurship(18.70/20), Research Methods and Presentation(20/20), Computer Networks(17/20), Operating Systems Lab(17.50/20), Physics 2(19.50/20), Fundamentals of Information Technology(20/20), Electrical Circuits I(19/20),Software Project(20/20), Data Communications(18/20), MATLAB Programming workshop(19/20),Design of Programming Languages(17.50/20), Internship(18/20), Real-Time Embedded Systems(18/20), Foundations of Wireless Networks(18/20)
- ◇ **Imam Hussein High School**, Torbat Heydarieh, Khorasan Razavi Province, Iran.
Diploma in Physics and Mathematics Discipline. GPA: 17.11/20. 2012 – 2016

HONORS AND AWARDS

- ◇ **Talented student** (based on research) Recognized by University of Birjand May 2021

RESEARCH EXPERIENCE

- ◇ Research Assistant 2017 – 2021
Department of Computer Engineering, University of Birjand, Birjand, Iran.
Director: [Samiyeh Khosravi](#)

PUBLICATIONS

My research is concentrated in two areas: The first one is [Software Engineering and Empirical Software Engineering](#). The second one is [Artificial Intelligence and its applications](#).

[Papers related to Software Engineering](#)

1. Ali Rezaei Nasab, Mojtaba Shahin, Seyed Ali Hoseyni Raviz, Peng Liang, **Amir Mashmool** and Valentina Lenarduzzi. "An Empirical Study of Security Practices for Microservices Systems." Journal of Systems and Software (2022) 111563. DOI:10.1016/j.jss.2022.111563

Journal Information: Name: Journal of Systems and Software, ISSN: 0164-1212, Impact Factor: 3.514, Journal Ranking: Q1

2. Javdani Gandomani, T.; **Mashmool, A.**; Dashti, M.; Khosravi, S.; Najafi Sarpiri, M.; Radnejad, M.; Afshari, M.; Mansouri, S.; "Talent management in agile software development: The state of the art", Published in: 2021 3rd East Indonesia Conference on Computer and Information Technology (EIConCIT),DOI:10.1109/EIConCIT50028.2021.9431902

3. **Mashmool, A.**; Khosravi, S.; Joloudari, J.H.; Inayat, I.; Javdani Gandomani, T.; Mosavi, A.; "A Statistical Model to Assess the Team's Productivity in Agile Software Teams". Published in IEEE conference CANDO2021.DOI: 10.1109/CANDO-EPE54223.2021.9667902

Papers Related to AI and Application of AI

1. J. Hassannataj Joloudari, M. Haderbadi, **A. Mashmool**, M. Ghasemigol, S. S. Band and A. Mosavi, "Early Detection of the Advanced Persistent Threat Attack Using Performance Analysis of Deep Learning". Published in IEEE Access, vol. 8, pp. 186125-186137, 2020, DOI:10.1109/ACCESS.2020.3029202.

Journal Information: Name: IEEE Access, ISSN: 21693536, Impact Factor: 3.514, Journal Ranking: Q1

2. Habibi, Hossein, Abbas Rasoolzadegan,**Amir Mashmool**, Shahab S. Band, Anthony Theodore Chronopoulos, and Amir Mosavi. "SaaSRec+: a new context-aware recommendation method for SaaS services."Mathematical Biosciences and Engineering 19, no. 2 (2022): 1471-1495. DOI: 10.3934/mbe.2022068

Journal Information: Name: Mathematical Biosciences and Engineering, ISSN: 15471063, Impact Factor: 2.1, Journal Ranking: Q2

3. Javad Hassannataj Joloudari, Sanaz Mojriani, Issa Nodehi, **Amir Mashmool**, Zeynab Kiani Zadegan, Sahar Khanjani Shirkharkolaie, Roohallah Alizadehsani, Tahereh Tamadon, Samiyeh Khosravi, Mitra Akbari Kohnehshari, Edris Hassannatajjeloudari, Danial Sharifrazi, Amir Mosavi, Hui Wen Loh, Ru-San Tan and U Rajendra Acharya." Application of artificial intelligence techniques for automated detection of myocardial infarction: a review" Published in Physiological Measurement journal. DOI:10.1088/1361-6579/ac7fd9

Journal Information: Name: Physiological Measurement, ISSN: 09673334, Impact Factor: 2.6, Journal Ranking: Q2

Preprint

1. Qamar, Nosheen, Nosheen Sabahat, **Amir Mashmool**, and Amir Mosavi. "Evaluating the Impact of Pair Documentation on Requirements Quality and Team Productivity." arXiv preprint arXiv:2304.14255 (2023).DOI:10.48550/arXiv.2304.14255

Under review

1. Behnoud Shafiezhadeh, **Amir Mashmool**, Amin Shahraki,Farhad Eshghi and Manoochehr Kelarestaghi. "A new Hybrid Model of Generative Adversarial Network and YOLO for Automatic License-Plate Recognition." under review.

REVIEW
EXPERIENCE

◇ IEEE Access journal (2) [Certificate](#)

COURSE
PROJECTS

Bachelor Course Project

- ◇ Design and Implementation of a Game (Passing a Pedestrian from the Street), using C++, Fundamentals of Programming Course, Supervisor: [Dr. H. Saadatfar](#)
- ◇ Design and Implementation of a Dictionary and finding misspelling words Using C++, Advance programming course, supervisor:[Mr.Mohammad Sadegh navabi](#)
- ◇ Design and Implementation of a project about some mathematic data Engineering, Statistics & Probability course, using SPSS, supervisor: [D.r Mahdi forouzanfar](#)
- ◇ Design and doing a lot of tasks with max plus and ISE software Also Having a presentation about using FPGA in smart Home(BMS), Digital System Design course, supervisor:

Master Course Project

- ◇ Design and Implementation of a smart garden, to accomplish the project, we used Wokiw for simulation, MQTT as a broker, Vue.js for historical data visualization, Node.js as a Js client application, and Ubidots as a user dashboard. [Internet Of Things course](#), Supervisors: [Professor Giorgio Delzanno](#), [Professor Davide Ancona](#). available at [Github](#)
- ◇ Design and Implementation of a website using d3.js. This project is for visualizing different aspects of the Trento tree dataset. The website aims to provide readable and appealing visualizations for the reader. [Data visualization course](#), Supervisors: [Professor Annalisa Barla](#). available at [Github](#)
- ◇ Implementation of Naive Bayes algorithm. [Machine Learning course](#). Supervisors: [Professor Nicoletta Noceti](#), [Professor Lorenzo Rosasco](#). available at [Github](#)
- ◇ Implementation of MASK algorithm (Mining Associations with Secrecy Konstraints). [data protection and privacy course](#). Supervisors: [Professor Alessio Merlo](#), [Francesco Pagano](#). available at [Github](#)

TECHNICAL EXPERIENCE

Software Development Internship: [Part Software Group](#), Mashhad, Iran July2019-Sep2019 working on the projects by these Methodologies: HTML/HTML 5, CSS/ CSS 3, SASS, node.js

PROFESSIONAL SKILLS

- ◇ Programming Tools and Languages::C/C++, Visual Studio Code
- ◇ Web/DB Technologies: HTML, CSS, JavaScript
- ◇ Operating System: Linux (Ubuntu), Windows
- ◇ Typesetting: TEX, LATEX, Microsoft Word
- ◇ Reference Management Tools: EndNote
- ◇ Other: Network+, Max plus
- ◇ Excellent communication skills, both verbal and written as fluent in English and Persian.
- ◇ A Good Team Player who supports and encourages his colleagues
- ◇ Keen interest in research and collaborative research project

ACTIVITIES, MEMBERSHIPS, CERTIFICATES

- ◇ ACM Staff in 7th ACM programming Contest, University of Birjand May 2018
- ◇ Member of Computer Scientific Association, University of Birjand 2016-2018
- ◇ Member of the International Association of Engineers (IAENG)
- ◇ Professional Scrum Foundation, Iran Scrum Institute, [Credential URL](#)
- ◇ Internship offer from IAESTE AUSTRALIA, [Certificate](#)
- ◇ Certificate of Participation - IEEE Conference [Certificate](#)
- ◇ Certificate Of Paper Presentation - IEEE Conference [Certificate](#)

LANGUAGE PROFICIENCY

Persian (Native), English (Fluent), Arabic (Familiar)
English, Fluent in Reading, Fairly Good in Speaking, Comprehension and Writing.

REFERENCES

[Dr. Mohammad GhasemiGol](#) (Assistant Professor)
Department of Computer Engineering, University of Birjand, Old Dominion University
✉ ghasemigol@birjand.ac.ir, ✉ mghasemi@odu.edu

[Prof . Giorgio Delzanno](#) (Full Professor)
DIBRIS, University of Genova
✉ giorgio.delzanno@unige.it

[Javad Hassannataj Joloudari](#) (Senior Researcher of AI)
Department of Electrical Engineering, University of Birjand.
✉ javad.hassannataj@birjand.ac.ir, ✉ javad.hasannataj@gmail.com

[Dr. Taghi Javdani Gandomani](#) (SMIEEE)(Assistant Professor)
University of Shahrekord
✉ javdani@sku.ac.ir