Amir Mashmool

Curriculum Vitæ

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

Google Scholar, Researchgate, Scopus, Orcid, Publons, Academia, Mendeley, Linkedin, Github Twitter

RESEARCH INTERESTS

⬦ Software Engineering , Empirical Software Engineering
⬦ Human Aspects Of SE, DevOps, Microservices
⬦ 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), 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 Proiect(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

My research is concentrated in two areas: The first one is Software Engineering and Empirical Software Engineering. The second one is Artificial Intelligence and Data Science.

Journal Publications

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. 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

3. 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

4. Javad Hassannataj Joloudari, Sanaz Mojrian, 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

Conference Publications

1. 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

2. **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

Under review

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

⋄ IEEE Access journal (2) Certificate

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: Dr Mehran Taghipour-Gorjikolaie

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 programing 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, University of North Dakota
✉ ghasemigol@birjand.ac.ir, ✉ mohammad.ghasemigol@UND.edu

Dr. Mehran Taghipour-Gorjikolaie (Assistant Professor)
Department of Electrical Engineering, University of Birjand, University of Surrey
✉ mtaghipour@birjand.ac.ir, ✉ m.taghipourgorjikolai@surrey.ac.uk

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

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