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Address: Computer Languages and User Experience Laboratory (CLUELab)

Department of Computer Science, University of Salerno, Fisciano (SA) - Italy



Parinaz Tabari

Curriculum Vitae

RESEARCH INTERESTS

- Medical Education | E-Learning | Educational Technologies | Social Sciences
- Data science
- Telemedicine | Internet of Things (IoT) in Healthcare | Interoperability | FHIR
- Human-Computer Interaction (HCI) in Healthcare
- Public Health Informatics and Health Literacy Improvement Via Technology

EDUCATION

PhD student

- **University of Salerno, Italy** (2021-present) - Computer Science

Visiting Researcher

- **Klinikum rechts der Isar (MRI), Technical University of Munich, Munich, Germany**, (July-October 2023)
- **Tehran University of Medical Sciences, Tehran, Iran** (2014 - 2017) - Medical Informatics

MS.c

GPA: 18.8 / 20

Thesis topic: Designing a decision support system to predict the probability of pathological neonatal jaundice

BS.c

- **Zand University of Higher Education, Shiraz, Iran** (2010 - 2012) - Computer Software Engineering

GPA: 17.42 / 20

Thesis topic: Design and development of an automation system for a library

SKILLS

- **Languages/Technologies:** Python (Data Science, Machine Learning, NLP), FHIR Shorthand, REST API
- **Platforms/Applications:** Jupyter Notebook, VS Code, LaTeX (overleaf), Protege
- **Version Control systems:** Git, GitHub, GitLab
- **Reference Management Software:** Zotero, Endnote

PUBLICATIONS

Published Articles

- **P Tabari**, G Costagliola, M De Rosa, M Boeker. State-of-the-Art FHIR-based Data Model and Structure Implementations: A Systematic Scoping Review, 2024. JMIR Medical Informatics, <https://doi.org/10.2196/58445>
- Vara, F., Amini, M., Moosavi, M., Askarnejad, A., Sasannia, S., **Tabari, P.**, Sagheb, M.M. and Kazeronian, A.B., 2023. Fear and Empathy with COVID-19 Patients Among Medical Students. Shiraz E-Medical Journal, 24(2), <https://doi.org/10.5812/semj-130631>.
- Costagliola, G., De Rosa, M., Fuccella, V., **Tabari, P.**, The Impact of the COVID-19 Pandemic on Human-Computer Interaction Empirical Research, *Interacting with Computers*, 2023;, iwad031, <https://doi.org/10.1093/iwc/iwad031>
- Corbisiero, E., Costagliola, G., De Rosa, M., Fuccella, V., Piscitelli, A., **Tabari, P.** (2023). *Speech Recognition in Healthcare: A Comparison of Different Speech Recognition Input Interactions*. In: Chen, YW., Tanaka, S., Howlett, R.J., Jain, L.C. (eds) Innovation in Medicine and Healthcare. KES InMed 2023. Smart Innovation, Systems and Technologies, vol 357. Springer, Singapore. https://doi.org/10.1007/978-981-99-3311-2_13.
- Tabrizi R, Sekhavati E, Nowrouzi-Sohrabi P, Rezaei S, **Tabari P**, Ghoran SH, et al. *Effects of Urtica dioica on Metabolic Profiles in Type 2 Diabetes: A Systematic Review and Meta-analysis of Clinical Trials*. Mini Reviews in Medicinal Chemistry. 2022;22(3):550-63. <https://doi.org/10.2174/1389557521666210929143112>
- Kiani, B., **Tabari, P.**, Mohammadi, A. et al. *Spatial epidemiology of skin cancer in Iran: separating sun-exposed and non-sun-exposed parts of the body*. Arch Public Health 80, 35 (2022). <https://doi.org/10.1186/s13690-022-00798-2>
- Ardekani, A., Hosseini, SA., **Tabari, P.**, Rahimian, Z., Feili, A., Amini, M., Mani, A. *Student support systems for undergraduate medical students during the COVID-19 pandemic: a systematic narrative review of the literature*. BMC Medical Education. 2021. <https://doi.org/10.1186/s12909-021-02791-9>
- Hayat, A.A., Amini, M., **Tabari, P.** and Moosavi, M. *Training future physician leaders in the COVID-19 pandemic*. Medical Education. 2021. <https://doi.org/10.1111/medu.14488>
- Nasiri, M., Amini, M., Mani, A., Delavari, S., Kiani, M., Sagheb, M. M., & **Tabari, P.** (2021). *Assessing empathy in final-year medical students using the Persian version of the Jefferson Scale of Physician Empathy*. Journal of education and health promotion, 10, 310. https://doi.org/10.4103/jehp.jehp_1539_20
- Ardekani, A., Rahimian, Z., Feili, A., Amini, M., **Tabari, P.** & Moosavi, M. (2021). *Competencies required for medical students to confront the COVID-19 pandemic: A needs assessment study*. Journal of education and health promotion, 10, 326. https://doi.org/10.4103/jehp.jehp_1358_20

- Mahmoudi A, Moghadami M, Shirazi B, **Tabari P**, Moosavi M. *What left for us for urinary tract infection treatment? An experience from the South of Iran*. *Advanced Biomedical Research*. 2021;10(1):52-.
- Amirian, A., Amini, M., Sagheb, M. M., Ghahartars, M., Neshatavar, R., **Tabari, P.**, & Moosavi, M. (2021). *Study of patients' satisfaction toward photographing their skin lesions for educational purposes*. *Journal of education and health promotion*, 10, 308. https://doi.org/10.4103/jehp.jehp_526_20
- **Tabari P**, Amini M, Arya N, Moghadami M, Khoshnood K, Shokripour M, et al. *The role of educating health-care personnel in prevention, diagnosis, or treatment of COVID-19: A narrative mini review*. *Journal of Education and Health Promotion*. 2021;10(1):476-.
- **Tabari, P**, Amini, M, Khoshnood, K, Arya, N*. *Multi-dimensional effects of the COVID-19 pandemic considering the WHO's ecological approach*, *Global Public Health*. 2020. <https://doi.org/10.1080/17441692.2020.1839934>
- **Tabari, P**, Amini, M*. *Educational and psychological support for medical students during the COVID-19 outbreak*. *Medical Education*. 2020; 55: 125- 127. <https://doi.org/10.1111/medu.14376>
- **Tabari, P.**, Shabanikiya, H., Bagheri, N. et al. *Paediatric, pedestrian road traffic injuries in the city of Mashhad in north-eastern Iran 2015–2019: a data note*. *BMC Research Notes* 13, 363 (2020). <https://doi.org/10.1186/s13104-020-05203-1>
- Rastegar Kazerooni, A., Amini, M., **Tabari, P.**, Moosavi, M. (2020), *Peer mentoring for medical students during the COVID-19 pandemic via a social media platform*. *Medical Education*, 54: 762-763. <https://doi.org/10.1111/medu.14206>
- **Tabari, P.**, Amini, M.*, Moghadami, M., Moosavi, M. *International Public Health Responses to COVID-19 Outbreak: A Rapid Review*. *Iranian Journal of Medical Sciences*, 2020; 45(3): 157-169. <https://doi.org/10.30476/ijms.2020.85810.1537>
- **Tabari P**, Amini M*, Moosavi M. *Lessons learned from COVID-19 epidemic in Iran: The role of medical education*. *Medical Teacher*. 2020 Jul 2;42(7). <https://doi.org/10.1080/0142159X.2020.1754376>
- Ghanatpisheh MA, Amini M*, **Tabari P**, Moosavi M. *The effect of game-based learning technique on the knowledge of health-volunteers in 2017*. *Journal of Advanced Pharmacy Education and Research*. 2019;9(2):95-98. <https://japer.in/en/article/the-effect-of-game-based-learning-technique-on-the-knowledge-of-health-volunteers-in-2017>
- **Tabari P**, Kiani B. *An Overview on the Applications of Spatial Analyses in the Management and Allocation of Hemodialysis Services*. *Journal of Health and Biomedical Informatics*. 2019; 6 (2) :152-162. <http://eprints.kmu.ac.ir/31515/> [Article in Persian].
- Safdari R, Kadivar M, **Tabari P***, Shawky Own H. *Comparison of Data Classification Algorithms to Determine the Type of Neonatal Jaundice*. *payavard*. 2018; 11 (5) :541-548. <http://payavard.tums.ac.ir/article-1-6396-en.html> [Article in Persian]

Published
Articles
Cont.

- **Exploring the Privacy Horizons: A Survey on HCI & HRI**
Conference: International Conference on Computational Science and Its Applications, 2024, (pp. 113-125): Springer Nature Switzerland.
- **Domus: An Educational Multiplayer Game for Touch Tables Using a Tangible User Interface**
Conference: International Conference on Human-Computer Interaction 2024 Jun 1 (pp. 3-16). Cham: Springer Nature Switzerland.
- **Speech recognition in healthcare: A comparison of different speech recognition input interactions**
Conference: International KES Conference on Innovation in Medicine and Healthcare 2023, (pp. 142-152). Singapore: Nature Singapore.
- **The Role of Artificial Intelligence in Human-Computer Interaction: Using a Smart Topic Extraction System**
Conference: *IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2022)*
- **Study of Information Technology Capabilities in Neonatal Care and Therapy**
Conference: *Professor Amirhakimi International Pediatric Congress (2016) - (Poster presentation)*
- **Investigating the remote monitoring usage for home health care**
Conference: *Shiraz International M-Health Congress (2017) - (Poster presentation)* / Publisher: *Medical technologies journal*
Link: <http://ichsmt.org/Journals/ojs/index.php/MTJ/article/view/127/93>
- **The effect of teaching the Emergency Operations Plan (EOP) by game-based learning technique on the knowledge of health volunteers in 2017**
Conference: *The 20th Iranian Conference on Health Professions Education (ICHPE) (2019) - (Oral presentation)*
- **Study of Smart Home Technologies and their Influences on Healthcare in Older Adults**
Conference: *Shiraz International M-Health Congress (2019) - (Electronic poster presentation)*
- **Determining the correlation between attitude toward e-learning and self-assessment of teaching effectiveness in healthcare staff of Bushehr urban healthcare center**
Conference: *The 22nd Iranian medical education conference (2021) - (Electronic poster presentation)*

- **Researcher and Health Information Technology Expert** (2018-2021 / Full-Time)
Institute: Education Development Office (EDO), Shiraz Medical School, SUMS
- **Teacher and Teaching Assistant** (2018-2021 / Part-Time)
Institute: Education Development Center (EDC), SUMS
Courses:
 - 1- Basics of academic search and introduction to EndNote software
 - 2- Evidence-Based Medicine (EBM) and Introduction to Research | **Online and face-to-face education**
 - 3- Medical Ethics | **Courses for Iranian students (in Persian) and International students (in English)**
- **Research Assistant and Reviewer** (2018-2021 / Part-Time)
Institute: Clinical Education Research Center, SUMS

- **Designing a Cohort Study on Medical Education at Medical Sciences Universities of Iran**
For: National center for strategic Research in medical education (NASR) / Iran Ministry of Health and Medical Education
From March 2019 | **Developmental grant**

WORK
EXPERIENCE

GRANTS

Conference
Presentations

VOLUNTEER ACADEMIC EXPERIENCE

1) Editorial Board Member of "**BMC Medical Education**" Journal:

2) Peer reviewer for:

- **JMIR mHealth and uHealth** | ISI, PubMed, Scopus, MEDLINE | Impact Factor: **5.0**
- **JMIR Medical Education** | ISI, PubMed, Scopus, MEDLINE | Impact Factor: **3.6**
- **IEEE Transactions on Human-Machine Systems** | ISI, Scopus | Impact Factor: **3.6**
- **BMC Medical Education** | ISI, Scopus, PubMed, DOAJ | Impact Factor: **3.6**
- **BMC Nursing** | ISI, Scopus, PubMed, DOAJ | Impact Factor: **3.2**
- **Journal of Medical Education and Curricular Development** | ISI, PubMed | Impact Factor: **2.8**
- **International Journal of Mental Health Promotion** | ISI, Scopus | Impact Factor: **1.3**
- **Shiraz E-Medical Journal** | Scopus, Embase

3) Mentoring undergraduate medical students and postgraduate students of medical education major

4) iTalk event instructor - Universal Scientific Education and Research Network (**USERN**)

HONORS & AWARDS

- **Ranked 1st among Medical Informatics Students (2014 - 2017)**
becoming a Member of Students' Scientific Research Center (SSRC) & Exceptional Talent Development Center (ETDC) of *Tehran University of Medical Sciences*.
- **Ranked 4th in Medical Informatics National Entrance Exam (Master's Degree) (2014)**
Admitted to Tehran University of Medical Sciences
- **Ranked 3rd in the "Peace and Friendship" Painting Competition-UNESCO (2001)**

COURSES /CERTIFICATES

- **Introduction to programming using Python | Online Course (2017)**
Institute: ARJANG High Education Institute through the "GoToClass" website

LANGUAGES

- **Persian/Farsi** | Native
- **English** | **Academic IELTS** (Overall: 6.5 | R: 7 | W: 6.5 | L: 6.5 | S: 6.5 | Test date: *February 4, 2021*) & **C1 Certificate** (*University of Salerno - 2022*)
- **Italian** | Intermediate proficiency | **B1 Certificate** (*University of Salerno - May 2023*)

HOBBIES

- **Music:** Classical Guitar, Tombak (Traditional Persian Musical instrument)
- **Teaching**
- **Sports and Arts**
- **Reading Books:** Historical novels, Biography, Travel Literature, Play
- **Learning new languages**

REFERENCES

- **Prof. Mitra Amini**
The head of Education Development Office (EDO), Shiraz University of Medical Sciences, Shiraz, Iran.
World Federation for Medical Education (WFME) Accreditation Member
Email: aminim@sums.ac.ir , mitraamini51@yahoo.com
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- **Prof. Neil Arya**
The president of the Canadian Physicians for Research and Education in Peace (CPREP),
Adjunct Professor of University of Waterloo, Waterloo (UWaterloo), Canada
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