Farzin Ghanbari-Alouni

M.Sc. · Computer Science

Tehran, Iran

☎ +98 937-299-7469 | ✉ tfarzin@gmail.com | ⌨ farzinghanbari | ⚷ Farzin Ghanbari | ▣ farzin-ghanbari

Education

Shiraz University *Shiraz, Iran*
M.Sc. in Computer Science *Sep. 2016 - Jan. 2020*

- **Advisor:** Dr. Farshad Khunjush
- **Thesis title:** Proposing a Model for Predicting Social Unrest using Twitter Data

University of Zanjan *Zanjan, Iran*
B.Sc. in Computer Engineering *Sep. 2013 - Aug. 2016*

University of Birjand *Birjand, Iran*
A.Sc. in Computer Engineering *Sep. 2011 - Sep. 2013*

Publications

Sotudeh, Hajar, Zeinab Saber, Farzin Ghanbari Alouni, Mahdieh Mirzabeigi, Farshad Khunjush. 2022. A longitudinal study of the evolution of opinions about open access and its main features: a twitter sentiment analysis. Scientometrics, 127(10): 5587-5611.

Saber, Zeinab, Hajar Sotudeh, Zahra Yousefi, Farshad Khunjush, Farzin Ghanbari Alouni. 2021. Content analysis and Opinion mining of Tweets about Open Access and its Main Features. Iranian Journal of Information processing and Management, 37(1): 305-329.

Teaching Assistance & Research Assistance

Teaching Assistant *Shiraz University*
Grid Computing *Spring 2018*

- Taught a section on resource management and job scheduling in a cluster.
- Instructed students on how to set up a processing cluster.
- Assisted students in designing and optimizing metaheuristic algorithms for efficient job scheduling.
- Administered assessments to gauge students' understanding of the course topics and implementation of the concepts.

Teaching Assistant *University of Zanjan*
Computer Networks *Spring 2016*

- Graded assignments and exams.

Test Scores

- TOEFL **110** of 120: Reading: 28 | Listening: 30 | Speaking: 25 | Writing: 27
- GRE: Expected Oct. 2023

Professional Experience

Software Developer   *Sep 2021 - Present*
CIVIL AVIATION ORGANIZATION OF IRAN

- Led and managed an R&D project involving a team of 10 members.
- Oversaw project planning, task delegation, and provided guidance to team members throughout the project duration.
- Actively participated in both development and testing of the project.
- Collaborated with team members to devise solutions and address challenges encountered during the project.
- Specialized in utilizing maps to display airports and track aircraft positions, optimizing the visual representation of flight data.
- Successfully delivered a preliminary version of the final product that the stakeholders had in mind, which garnered their satisfaction.

Software Developer   *Sep 2018 - Feb 2021*
RABSANA CO.

- Developed essential features such as authentication, cart, and user wallet for an e-commerce web application.
- Conducted refactoring of legacy code and upgraded dependencies, improving performance and maintainability.
- Significantly improved test coverage from approximately 70% to over 90%, leading to the identification and resolution of a critical long-standing security issue within the authentication system.
- Implemented containerization strategies to streamline deployment and scalability of web applications.
- Supervised a team of 4 junior developers, ensuring effective project management and knowledge transfer.

Software Developer   *Sep 2016 - Jan 2017*
ZAGROS CO.

- Started as an intern, engaging in learning and familiarizing with the company's technologies.
- Worked as a member of the development team of a broadcasting channel's web application.
- Developed an Android app for an insurance company.

Skills

- **Programming Languages**: Python, Go, Javascript, PHP, Bash
- **Soft Skills**: Research, Management, Teamwork, Communication, Critical Thinking
- **Frameworks and Libraries**: Numpy, Pandas, Matplotlib, Plotly
- **Databases**: MySQL, PostgreSQL, MongoDB
- **Linux Distros**: Ubuntu, Fedora, Arch Linux
- **Misc.**: Git, Docker, MPICH, Selenium

Notable Projects

Social Unrest Predictor
2018-2019
- Crawler for collecting twitter data
- Clustering   *Python, Java*
- NER

Grid Information Service and Grid Scheduler
2017
- Host resource collection
- Task scheduling using metaheuristic algorithms   *Java, C++*

2017   **Git Server Setup**
2016   **MPICH Cluster Setup**   *Bash, C*