

Mohammad Hossein Rimaz

Tavanir St., Vali-Asr St.
Tehran, Tehran 1434885481, Iran

✉ Email: mhrimaz@acm.org
☎ Phone: +98 933 888 0256
🏠 Homepage: <http://mhrimaz.com>
🐙 GitHub: <https://github.com/mhrimaz>

Education

2014–2019 (expected) BSc, Software Engineering, K. N. Toosi University of Technology,
Major GPA: 16.37/20 (3.3/4), Cumulative GPA: 15.79/20 (3.2/4) (top 15% in the class)
Selected Courses: Java, Software Testing, Software Engineering. (all grades 20/20)
Algorithm Design (18.5/20), Artificial Intelligence & Expert Systems (19.3/20)

Fields of Interests

Machine Learning, Information Retrieval, Recommender Systems, Data Mining

Languages

TOEFL: 106

Reading:28, Listening:27, Speaking:24, Writing:27.

GRE

Verbal Reasoning:145, Quantitative Reasoning:164.

Honors and Awards

April 2018 **3rd place** in RoboCup Iran Open 2018 International Competitions, UAV Indoor League, Team KN2C.

Projects

Fall 2018 (*Ongoing*) **Hybrid Movie Recommender Systems based on Low-Level Stylistic Features**
Role: Researcher | Supervisor: M. Elahi
Working with MovieLens and Mise-en-scène dataset.
Exploring and visualizing various aspects of dataset and
investigating different techniques for recommendation. Languages: Python, Scikit.

Summer 2017 **Autonomous landing on Artificial Landmark**
Role: Developer in KN2C Robotic Lab, Aerial Unmanned Vehicle Team
Designing artificial landmarks and developing real-time vision-based autonomous
landing algorithm (outdoor and indoor environments). Languages: OpenCV and C++.

Jan – April 2017 **Cloud Billing System**
Role: Researcher, Developer | Supervisors: A. Ahmadi and S. Kashi.
Investigating open-source billing systems. Examining time series databases.

Summer 2016 **ODE and PDE MathTools**
Role: Developer, Web Site Designer | Supervisor: H. Aliakbarian
Several mathematical visualizations in JavaFX.

Technical Skills

Languages	Java, C++, Scala, Python.
Programming	Object Oriented and Functional Programming, OOP Design Patterns.
Concepts	Concurrency and Parallelism such as Java Fork/Join, Akka Actor Model, Async programming, Version Control Systems such as Git and GitHub, Web services such as REST and SOAP.
IDEs	IntelliJ IDEA, Apache NetBeans, Eclipse.
Databases	Oracle 12c, MongoDB, SQLite.
Libraries	Akka, Git, Hibernate, JPA, JUnit, Mockito, JavaFX, Maven, JDBC, scikit, numpy.

Teaching Experience

Fall 2015–Spring 2018	Teaching assistant, Advanced Programming with Java , KNTU, Instructors: Mehdi Esnaashari, Mahdi Zamanian, Sayyed Kamyar Izadi
Spring 2017	Teaching assistant, Algorithms , KNTU, Instructor: Amin Nikanjam
Fall 2016	Teaching assistant, Data Structure , KNTU, Instructor: Babak Nasersharif

Community Outreach

May 2018–present	Chairman of ACM Student Chapter, KNTU. Chapter Website: https://kntu.acm.org
Sep 2017–present	Founder and leader of KNTU Java User Group (JUG). KNTU JUG YouTube Channel
November 2016–2017	Chairman of Computer Engineering Student’s Scientific Chapter, KNTU.

Professional Membership

Association for Computing Machinery (2017–present). Membership Number: 7348433

Certificates

Coursera	Verified certificates from Coursera online MOOC platform.
July 2018	Parallel, Concurrent, and Distributed Programming in Java Specialization Rice University.
September 2017	Intro to RecSys: Matrix Factorization and Advanced Techniques University of Minnesota.
August 2017	Intro to RecSys: Evaluation and Metrics University of Minnesota.
March 2017	Intro to RecSys: Nearest Neighbor Collaborative Filtering University of Minnesota.
December 2016	Intro to RecSys: Non-Personalized and Content-Based University of Minnesota.
November 2016	Functional Program Design in Scala École Polytechnique Fédérale de Lausanne.
September 2016	Machine Learning Stanford University.
August 2016	Algorithms on Strings University of California, San Diego.
July 2016	Functional Programming Principles in Scala École Polytechnique Fédérale de Lausanne.
July 2016	Algorithms on Graphs University of California, San Diego.
March 2016	Advanced Data Structures in Java University of California, San Diego.