

Mohammad Hossein Rimaz

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

Email: mhrimaz@acm.org
Phone: +98 933 888 0256
Nationality: Iranian
Date of Birth: 18/01/1996
Homepage: <http://mhrimaz.com>
GitHub: <https://github.com/mhrimaz>

Education

2014–2019(expected) BSc, Software Engineering, K. N. Toosi University of Technology,
Major GPA: 15.79/20 (top 15% in the class)
Selected Courses: Java, Software Testing, Software Engineering. (all grades 20/20)
Advisor: Babak Nasersharif

Fields of Interests

Big Data and Scalable Computation, Recommender Systems, Machine Learning, Evolutionary Computation and Genetic Algorithms

Technical Skills

Programming	Proficient in Java SE, JavaFX. Familiar with C++, Scala, Python. Expert in Object Oriented Programming and Familiar with Design Patterns. Some experience with Spark java web framework, Play framework. Familiar with Template Engines like FreeMarker and Apache Velocity. Expert in Object Oriented Programming and Familiar with Design Patterns. Proficient in Concurrency and parallelism concepts like Akka Actor Model, Java Fork/Join and Completable Futures. Experienced in Git and GitHub. Familiar with REST and SOAP web services.
Software	Adobe InDesign, Adobe Illustrator, Microsoft Office, LaTeX.
IDEs	IntelliJ IDEA, Apache NetBeans, Eclipse.
Databases	Oracle 12c, MongoDB, SQLite.
Libraries	Hibernate, JPA, JUnit, Mockito.

Honors and Awards

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

Teaching Experience

Spring 2018	Teaching assistant for Advanced Programming with Java , K.N. Toosi University of Technology Instructor: Mehdi Esnaashari
Spring 2018	Teaching assistant for Advanced Programming with Java , K.N. Toosi University of Technology Instructor: Mahdi Zamanian
Spring 2017	Teaching assistant for Advanced Programming with Java , K.N. Toosi University of Technology Instructor: Mahdi Zamanian
Spring 2017	Teaching assistant for Advanced Programming with Java , K.N. Toosi University of Technology Instructor: Mehdi Esnaashari
Spring 2017	Teaching assistant for Algorithms , K.N. Toosi University of Technology Instructor: Amin Nikanjam
Fall 2016	Teaching assistant for Data Structure , K.N. Toosi University of Technology Instructor: Babak Nasersharif
Spring 2015	Teaching assistant for Advanced Programming with Java , K.N. Toosi University of Technology Instructor: Mahdi Zamanian
Fall 2015	Teaching assistant for Advanced Programming with Java , K.N. Toosi University of Technology Instructor: Sayyed Kamyar Izadi

Projects

Summer 2017	Autonomous landing on Artificial Landmark Role: Developer in KN2C Robotic Lab: Aerial Unmanned Vehicle Team Design an artificial landmark and developed a real-time vision based autonomous landing algorithm in both outdoor and indoor environments using OpenCV and C++.
January – April 2017	Cloud Billing System Role: Researcher, Developer Supervisors: Ali Ahmadi and Saeed Sedighian Kashi. Enterprise level project with collaboration of Sharif University of Technology, Alzahra University and K.N. Toosi University of Technology. Investigated open source billing systems like Cyclops and CloudKitty. Worked with OpenStack and OpenShift and studied metrics acquisition from them. Examined Time Series Databases like InfluxDB, KairosDB and OpenTSDB.
Summer 2016	ODE MathTools and PDE MathTools Role: Developer, Web Site Designer Supervisor: Hadi Aliakbarian Several mathematical visualizations, which implemented in JavaFX. These project uses as a resource for students of the “Differential Equation” and “Advanced Engineering Mathematics” course in K. N. Toosi University of Technology.

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.
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.
December 2016	Big Data Integration and Processing University of California, San Diego.
November 2016	Functional Program Design in Scala École Polytechnique Fédérale de Lausanne.
October 2016	Big Data Modeling and Management Systems University of California, San Diego.
September 2016	Machine Learning Stanford University.
August 2016	Algorithms on Strings University of California, San Diego.
August 2016	Introduction to Big Data 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.
July 2016	Hadoop Platform and Application Framework University of California, San Diego.
July 2016	Data Structures University of California, San Diego.
May 2016	Mastering the Software Engineering Interview University of California, San Diego.
April 2016	Algorithmic Toolbox University of California, San Diego.
March 2016	Advanced Data Structures in Java University of California, San Diego.
November 2015	Object Oriented Programming in Java University of California, San Diego.

Community Outreach

May 2018-present	Chairman of ACM Student chapter K. N. Toosi University of Technology. Chapter Website: https://kntu.acm.org
Sep 2017-present	Founder and leader of KNTU Java User Group (KNTU JUG) K. N. Toosi University of Technology. KNTU JUG YouTube Channel
November 2016-2017	Chairman of Student's scientific chapter K. N. Toosi University of Technology.