

Mohammad Reza Kianifar

+98-937-585-2076

mohammad.76kiani@gmail.com

/mreza-kiani

/mreza-kiani

★ Fields of Interest

Software Engineering, Big Data, Data Engineering

🎓 Education

Master in Computer Science

University of Calgary

2021 – Present
Calgary, Canada

- > Obtained full fund for at least two years

Bachelor Science in Software Engineering

University of Tehran

2015 – 2020
Tehran, Iran

- > One of the best Universities in Iran according to [US News](#) and [Webometers](#)
- > Current **GPA**: 17.27/20 (**3.79/4**)
- > Last year **GPA**: 18.00/20 (**4/4**)
- > Ranked among the top 20% of the graduating class
- > Selected courses (out of 20):
 - * Artificial Intelligence: 20 (A+)
 - * Algorithm Design: 20 (A+)
 - * Theory of Formal Languages and Automata: 19.75 (A+)
 - * Internet Engineering: 19.4 (A+)
 - * Introduction to Cryptocurrency: 19.3 (A+)
 - * Network Security: 18.8 (A+)
 - * Advanced Software Design: 18.73 (A+)
 - * Compiler Design and Implementation: 18.5 (A+)
 - * Software Testing: 18.4 (A+)
 - * Computer Networks: 18.0 (A+)

Diploma in Mathematics and Physics Discipline

Allameh Helli 1 (NODET)

2011 – 2015
Tehran, Iran

- > **GPA**: 19.98/20

🔬 Research

Undergraduate Research

June 2019 – Sep. 2019

Real-time verification and evaluation in distributed actor based systems

- > Designing and implementing a simulator to execute [Rebeca](#) codes in run-time with different policies and evaluate efficiency of some algorithms due to that.
- > Under supervision of [Dr. Fatemeh Ghasemi](#)

Introduction to CryptoCurrency

Feb. 2019 – June 2019

- > A master course about Blockchain and Digital Currencies like Bitcoin and Ethereum. I did two project for this course, one was about making Bitcoin transactions and pushing them to Blockchain and the other one was writing smart contract using Solidity for a simple Splitwise application.
- > Under supervision of [Dr. Behnam Bahrak](#)

Teaching Experience

Internet Engineering

Chief TA

Spring 2019

University of Tehran

- > Responsible for designing course 10 projects for 80 students and managing responsibilities of other 9 TAs of the Course
- > Instructor: [Dr. Ehsan Khamespanah](#)

Compiler Design and Implementation

TA

Fall 2018

University of Tehran

- > Responsible for delivering 4 phased projects from parts of students and also designing and correcting two homework
- > Instructors: [Dr. Fatemeh Ghasemi](#) and [Dr. Hossein Hojjat](#)

Engineering Statistics and Probability

TA

Fall 2019

University of Tehran

- > Responsible for correcting parts of two homework
- > Instructor: [Dr. Behnam Bahrak](#)

Advanced Programming

TA

Spring 2019

University of Tehran

- > Responsible for designing and delivering a project about Inheritance and Polymorphism
- > Instructor: [Dr. Ramtin Khosravi](#)

Advanced Programming

TA

Spring 2018

University of Tehran

- > Responsible for designing and delivering 2 projects about Object Oriented and Inheritance and Polymorphism
- > Instructors: [Dr. Ramtin Khosravi](#) and [Dr. Mohammad Amin Sadeghi](#)

Advanced Programming

TA

Fall 2017

University of Tehran

- > Responsible for designing and delivering 2 projects about Top Down Design and Object Oriented
- > Instructors: [Dr. Ramtin Khosravi](#) and [Dr. Mohammad Amin Sadeghi](#)

Professional Experience

Tapsell Tech Lead

June 2020 – Dec. 2020

- › [Tapsell](#) is the biggest mobile Ad-Network in Iran.

Achievements

- › experienced leadership responsibility and tried to improve it in myself
- › coordinated a new video ad integration with [Cafe Bazaar](#)
- › created a documentation platform and tried to document all Tapsell complex concepts in it with video recording. The goal was to ease the onboarding process of new team members
- › held a 2-week internship college for new interns and tried to make them ready to enter the company's products more straightforwardly. Later the syllabus was documented for further similar use.

Tapsell Software and Data Engineer

Jan. 2019 – June 2020

Achievements

- › Introduced with Micro Service Architecture
- › Developed data collector module for an integrated service with [Cafe Bazaar](#) which receives millions of request per day
- › Worked with big data and high loads of requests and tried to optimize them
- › Created a code-convention platform for integrating team members' coding style
- › Introduced with OpenRTB protocol and fixed major bugs in the company implementation of it and made it ready to use

Technologies

- › Worked with Java and Kotlin languages and Spring Boot Framework and tools such as Elastic Search, Kafka, Cassandra, Kubernetes

Hinza Co.

July 2015 – Jan. 2019

Software Engineer

Tehran, Iran

- › [Hinza](#) is an IT-Solution company that supports medium-sized companies.

Achievements

- › Automated time-tracking for employees by developing an online time-tracker application with test coverage of 95%
- › Participated in development of an E-Commerce which led to sell profitable projects such as [Kitline](#)
- › Participated in development of an Automation System which provided a useful planning platform for all members in the company

Technologies

- › Worked with Python and PHP languages and Django and Laravel frameworks and relational databases
- › Worked with React Native to develop time-tracking mobile app for Android and iOS platforms

Remarkable Projects

Artificial Intelligence Course Projects

- > Worked with python, jupyter, pytorch, pandas and matplotlib in order to do [course 7 projects](#) about search, game theory, machine learning algorithms and neural network, a Kaggle competition, etc

Introduction to CryptoCurrency projects

- > Implemented a [client](#) to make bitcoin transactions in both P2PKH and P2SH modes using Python and Bitcoin library
- > Implemented [Splitwise](#) application with smart contracts written in Solidity and other technologies such as Truffle and web3.js

Internet Engineering Projects

- > Implemented a house agency named KhaneBeDoosh using Java servlet for [back end](#) and React for [front end](#)

Compiler Design and Implementation Projects

- > Implemented a [compiler](#) for an actor based language named Atalk and generated machine code for MIPS architecture

ACM Data Analysis Contest Judge

- > Implemented a [judge](#) for an online contest held by [Tap30](#) using Laravel framework

★ Honers and Awards

Admission at University of Calgary

2020

- > Got full fund admission with tuition award to study master of computer science

Rank at University of Tehran

2019

- > Ranked among the top 20% of graduating class which included 45 students.

Rank at Iranian Nationwide University Entrance

2015

- > Ranked 238th (regional rank), and 364th (national rank) among more than 180,000 participants in Iranian Nationwide University Entrance Exam for Mathematics and Physics discipline.

📖 Languages

Persian Native

English Advanced

TOEFL iBT score: 95

- > Reading: 23, Listening: 26, Speaking: 22, Writing: 24

⚙️ Skills

Programming

- > Proficient in Java, Kotlin, Python, C++, C
- > Proficient in Spring Boot, Spring Data, Spring Cloud, Django
- > Practiced in PHP, Laravel, Front-end technologies (HTML, CSS, JavaScript, jQuery, AngularJs, React)
- > Familiar with Protobuf, Nodejs

Databases

- > Proficient in MongoDB, SQL, Kafka, Elastic
- > Practiced with Cassandra

Skills

- > Proficient in Git, Scrum
- > Practiced in Big Data and Machine Learning, Docker, Kubernetes