

IMAN MOHAMMADI

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Education

Sharif University of Technology

Bachelor of Science in Computer Engineering

September 2020 – July 2024 (Expected)

Tehran, Iran

Honors and Awards

International Blockchain Olympiad (IBCOL)

2022

- **Bronze Medalist** of the International Blockchain Olympiad

National University Entrance Exam (Konkur)

2020

- **Ranked 84th** among more than 144,000 participants (top 0.06%)

National Blockchain Olympiad

2022

- **Gold Medal** in National Blockchain Olympiad

Junior National Mathematics Olympiad

2015

- **Silver Medal** in Junior National Mathematics Olympiad

Provincial Chess Championship

2018, 2019

- **Gold Medal** in Provincial Chess Championship

Research Interests

- Human Computer Interaction
- Blockchain
- Computer Vision
- Natural Language Processing
- Artificial Intelligence (AI)

Experience

Tehran Institute for Advanced Studies (TeIAS)

January 2022 - Now

Research Experience

January 2022 - Now

- Research Assistant at **TeIAS (HCI, Vision and Blockchain)** - Under supervision of Dr. Alipour
- I participate in research activities in HCI, Vision and Blockchain under the supervision of Dr. Sharareh Alipour. We've worked on two Vision and HCI-based papers, which both have got submitted to CHI 2023 and WWW 2023. Our primary research ideas are Vision, HCI, and AI-based, and in the last project, we worked on a fashion recommender system.
- I am implementing a Blockchain-based education website, using Django for Backend API, React for Frontend design and Docker.

Institute for Research in Fundamental Sciences (IPM)

January 2022 - Now

Research Experience

January 2022 - Now

- Research Assistant at **IPM (HCI and Blockchain)** - Under supervision of Dr. Alipour
- I participated in research activities in HCI and Blockchain under the supervision of Dr. Sharareh Alipour. As a result, we got a bronze medal at IBCOL 2022 and a gold medal at the national blockchain olympiad.

Sharif University of Technology

September 2020 – Now

Teaching Experience

Fall 2021 - Now

- Head Teaching Assistant - **Numerical Computations** - Dr. Hossein Ghorban, Dr. Hamid Sarbazi Azad - Spring 2023
- Head Teaching Assistant - **Numerical Computations** - Dr. Hossein Ghorban, Dr. Hamid Sarbazi Azad - Fall 2022
- Teaching Assistant - **Probability and Statistics for Engineering** - Dr. Jafari - Spring 2023
- Teaching Assistant - **Probability and Statistics for Engineering** - Ms. Manifi - Spring 2023
- Teaching Assistant - **Linear Algebra** - Dr. Hossein Ghorban - Spring 2023 & Spring 2022 & Fall 2022
- Teaching Assistant - **Compiler Design** - Ms. Hosseinmardi - Spring 2023
- Teaching Assistant - **Computer Architecture** - Dr. Laleh Arshadi - Spring 2023 & Fall 2022
- Teaching Assistant - **Data Structures and Algorithms** - Dr. Safarnezhad - Spring 2022 & Fall 2022
- Teaching Assistant - **Object Oriented Programming** - Dr. Bizhan Vosoughi & Dr. Matin Hashemi - Spring 2022
- Teaching Assistant - **Advanced Programming in Java** - Dr. MohammadAmin Fazli - Spring 2023 & Spring 2022
- Teaching Assistant - **Advanced Programming in Java** - Mr. Vahid Salmani - Fall 2021
- Teaching Assistant - **Mobile Programming** - Mr. Nari - Spring 2023

- Head Teaching Assistant - **Fundamentals of Programming in C** - Dr. MohammadAmin Fazli - Fall 2022
- Head Teaching Assistant - **Fundamentals of Programming C** - Mr. AliReza Golmohammadi - Spring 2022
- Head Teaching Assistant - **Fundamentals of Programming C** - Mr. Milad Raeisi - Spring 2022
- Co-Head Teaching Assistant - **Fundamentals of Programming C** - Dr. MohammadAmin Fazli - Fall 2022
- Co-Head Teaching Assistant - **Fundamentals of Programming C** - Mr. Hosseinkhani - Spring 2023
- Teaching Assistant - **Fundamentals of Programming C** - Dr. MohammadAmin Fazli - Fall 2021
- Teaching Assistant - **Fundamentals of Programming C** - Mr. Poursoltani - Spring 2023
- Teaching Assistant - **Fundamentals of Programming Python** - Mr. Alireza Aghamohammadi - Spring 2022
- Teaching Assistant - **Fundamentals of Programming Python** - Mr. Shahraki - Spring 2023
- Teaching Assistant - **Fundamentals of Programming Python** - Mr. Turaj Arminpour - Spring 2022
- Teaching Assistant - **Fundamentals of Programming Python** - Ms. Nafari - Spring 2022
- Teaching Assistant - **Logic Design** - Dr. Laleh Arshadi - Spring 2023

Micromaster

August 2022 - Now

Co-Founder

- Micromasters programs are a series of master-level courses from the Sharif University of Technology with a vision of providing life-transforming , high-quality learning experiences to enthusiastic learners around the country.
- Worked on an education platform using Javascript, React, PHP, Postgres, and Docker. I also managed the system and a team of 30 people working for the company.

Guardian

August 2022 - Now

Frontend Developer

- worked on an application that could detect car accidents and communicate with all the passengers and drivers to help prevent crashes using React.js, JavaScript, HTML, and CSS.

Academic Service

Sharif University of Technology

September 2020 – Now

Member of Central Council of Students' Scientific Chapter

September 2022 - Now

- Students' Scientific Chapter (SSC) is a scientific association consisting of all students of the Computer Engineering Department. It holds and organizes scientific talks, tournaments, and events targeting different audiences, from first-year undergraduate students to Ph.D. students throughout the year. Its central council consists of nine members, selected by votes of all students.

Staff

Fall 2022 - Now

- Co-Director of Winter Seminar Series (WSS) 2023
- Co-Director of DataDays 2022
- Head of Scientific Team of Webelopers 2022
- Head of Scientific Team of League of Coders 2022
- Head of Technical Team of Hardwar 2022
- Head Of Human Resources Team of Winter Seminar Series (WSS) 2022
- Frontend Developer of Rasta 2022
- Branding Staff of AI Challenge 2022

Projects

Guardian Application | *Android (native), Java* | Github

August 2022 - Now

- Designing and implementing an application that can detect car accidents to help drivers improve their ability and prevent crashes.

Blockment | *Javascript, HTML, CSS, Django, React* | Github

August 2022 - Now

- Designed and implemented a blockchain-based system that provides a decentralized education institute. This project led to a paper under the supervision of Dr. Sharareh Alipour.

Yu-Gi-Oh! | *Java, JavaFX* | Github

February 2022 - August 2022

- Designed and Implemented a clone of the Yu-Gi-Oh as part of the Advanced Programming course using Java and JavaFX.

Languages

English: Professional working proficiency

Persian: Native proficiency