

## EDUCATION

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### M.Sc. in Computer Science

*Concordia University*

Montréal , Canada

Sep 2022

**World ranking:** #20 in Software Engineering Research (2020) 🔗

**Supervisor:** Dr. Marta Kersten-Oertel

### B.Sc. in Computer (Software) Engineering

*Islamic Azad University*

Tehran, Iran

Sep 2017 - Sep 2021

**World ranking:** #44 in Engineering 🔗

**Thesis Topic:** Bitcoin prediction app with Flutter and WebSocket 🔗

**Supervisor:** Dr. Seyed Javad Mirabedini

– GPA of the last two years is **17.95/20 (3.59/4.00)**.

### Pre-University and Diploma of Mathematics and Physics

Daneshfar High School

Tehran, Iran

Oct 2013 –Jun 2017

– Diploma GPA of **17.90/20**.

– Pre-University GPA of **18.15/20**.

## RESEARCH INTERESTS

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- Human Computer Interaction
- Software Engineering
- Game Design
- Mobile Apps
- Computer Graphics
- Data Science and Big Data
- Data Analytic
- Databases
- Data Mining - Web Mining - Text Mining

## SELECTED COURSES

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- Human Computer Interaction (19/20)
- Software Engineering (19/20)
- Object Oriented System Design (20/20)
- Formal Methods in Software Engineering (20/20)
- MATLAB Programming Workshop (20/20)
- Databases Laboratory (20/20)
- Operating System Laboratory (19/20)
- Internet Engineering (19/20)

## HONOR & AWARD

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- **National Entrance Examination** Jul 2017  
Ranked within the **top 9%** among more than 130,000 participants in the Iranian University Entrance Exam for Bachelor degree (Konkur)  
I participated in Math and Physics exam

## ACADEMIC PROJECTS

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- **TDD discipline with flutter** [🔗](#)  
Supervisor: Dr. Iman Attarzadeh [✉](#)
- **Bitcoin prediction app with Flutter and WebSocket** [🔗](#)  
Supervisor: Dr. Seyed Javad Mirabedini
- **Created a bank database** [🔗](#)
- **Compared top 10 local and global websites from UI/UX aspects** [🔗](#)
- **Developing a website based on HCI course overall gained knowledge** [🔗](#)
- **Image Denoising** [🔗](#)
- **Costs of duct and access point in a particular area** [🔗](#)

## ACADEMIC PRESENTATIONS

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- **Image processing in MATLAB** [🔗](#)
- **Designing a communication protocol between sender and receiver using Formal Methods** [🔗](#)
- **Web mining and web usage mining** [🔗](#)
- **Big data, data science and data mining** [🔗](#)
- **Data science methodology** [🔗](#)

## CERTIFICATES

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|---|-------------------------------|
| • <b>Data Analysis with Python From IBM Company</b> <a href="#">🔗</a>                 | Oct 2021, Issued by Coursera  |
| • <b>Databases and SQL for Data Science From IBM Company</b> <a href="#">🔗</a>        | Sep 2021, Issued by Coursera  |
| • <b>Game Design and Development From Michigan State University</b> <a href="#">🔗</a> | Aug 2021, Issued by Coursera  |
| • <b>Tools for Data Science From IBM Company</b> <a href="#">🔗</a>                    | Aug 2021, Issued by Coursera  |
| • <b>What is Data Science? From IBM Company</b> <a href="#">🔗</a>                     | Aug 2021, Issued by Coursera  |
| • <b>SQL course</b> <a href="#">🔗</a>   | Jun 2021, Issued by Sololearn |
| • <b>PHP course</b> <a href="#">🔗</a>   | Apr 2020, Issued by Sololearn |
| • <b>jQuery course</b> <a href="#">🔗</a>  | Apr 2020, Issued by Sololearn |
| • <b>HTML course</b> <a href="#">🔗</a>  | Mar 2020, Issued by Sololearn |

## EXPERIENCES

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### – *Teaching*

#### **Teacher Assistant**

*TA of MATLAB Programming Workshop Course in Islamic Azad University*

Tehran, Iran

Jan 2021 - Jul 2021

- Solved **final exam sample questions**  
also, recorded mentioned classes (**150 reviews**) [🔗](#)
- Solved Students **Computational and Programming** problems
- Graded Students' Homeworks
- Coordinated classes of almost **100 students**
- Defined a work-flow according to their points of view  
and taught them how to code based on it

– *Vocational*

### Developing Games with Unity

By participating in Michigan State University course

Tehran, Iran  
Aug 2021 - Dec 2021

- Play a 2D Action Game 🏆
- Play a 2D Shooter Game 🏆
- Play a 3D Simulation Game 🏆

### Data Analysis with Python

By participating in IBM course

Tehran, Iran  
Oct 2021

- Training models, Visualization and Predicting Targets 🔗

### Flutter Junior Developer

Position as a junior developer in a private(No Avaran Varzesh Digital) company

Tehran, Iran  
Dec 2020 - Jun 2021

- Bitcoin Prediction app with Flutter and WebSocket 🔗
- Supervisor: Dr. Seyed Javad Mirabedini
- Based on R&D

### Flutter Developer Internship

Position as an intern developer in Hamvarzeshi(No Avaran Varzesh Digital) company

Tehran, Iran  
Jun 2020 - Dec 2020

- Gym app with Flutter and REST API 🔗

### Front-End Senior Website Developer / UI-UX Designer

Senior front-end developer and designer in homa company

Tehran, Iran  
Mar 2020 - May 2020

- Homa bidding Website 🔗

### Front-End Senior Website Developer / IT Woman

Senior front-end developer and designer in Mehraraseir Travel company

Tehran, Iran  
Sep 2019 - Feb 2020

- Designer and developer of Visaseven website 🔗
- Designer and developer of Mehraraseir website 🔗
- Working on these websites' SEO
- Creating posts for Instagram

### Front-End Junior Website Developer / Co-Founder

Junior front-end developer and co-founder at Dr.Motori startup

Tehran, Iran  
Jul 2018 - Jul 2019

- Front-end developer at Dr.Motori online shop for motorbikes part 🔗
- Co-founder of Dr.Motori

## SKILLS

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### Programming

**Skilled in:** MATLAB, Python, SQL, Flutter, JavaScript, PHP, jQuery, HTML, CSS, Materialize CSS, Bootstrap, Shell Scripting

**Familiar with:** C++

**Social Skills:** Leadership, Teaching, Responsibility, Critical Thinking, Time Management, Creativity in Problem Solving

**Other Skills:** Linux, SEO, Adobe Photoshop, UML, Git,  $\text{\LaTeX}$

## LANGUAGES

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- **IELTS (Academic):** (Listening: 8.5, Reading: 7.5, Speaking: 7.0, Writing: 6.5)  
Overall Score: **7.5**
- **German:** Intermediate Level
- **Persian:** Native proficiency
- **French:** Beginner Level(will participate in the Winter classes)

## HOBBIES / VOLUNTARY WORK

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- Doing voluntary work at University's administration office
- Gathering money for charity
- Playing PC Video Games
- Playing Soccer
- watercolor painting