

EDUCATION

M.Sc. in Computer Science - thesis based

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

- 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

- 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

- **McGill NSERC Grant** Fall/Winter 2022 - 2023
Awarded for participating in Surgical Innovation program
Program is created with the collaboration of McGill, ETS and Concordia University
- **Concordia Split Merit Scholarship** Fall/Winter 2022 - 2023
Awarded for my academic performance

- **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

- **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

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

EXPERIENCES

– *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

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, L^AT_EX

LANGUAGES

- **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

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