Niki Najafi

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EDUCATION

M.Sc. in Computer Science - Thesis Based Montréal , Canada
Concordia University Sep 2022 - Graduating
World ranking: #20 in Software Engineering Research (2020) 🔗
Supervisors: Dr. Marta Kersten-Oertel & Dr. Anil Ufuk Batmaz

HONOR & AWARD

- **MICCAI 2023 Conference** 🔗 Fall 2023-2024
  Presenting *Breamy*: An augmented reality mHealth prototype application for surgical decision-making in breast cancer
  Showcasing *Breamy*'s poster

- **Mcgill NSERC Grant** Fall/Winter 2022 - 2023
  Awarded by Surgical Innovation program
  SI is created with the collaboration of Mcgill, ETS and Concordia University

- **Concordia Split Merit Scholarship** Fall/Winter 2022 - 2023
  Awarded for my academic performance

ACADEMIC PAPERS

- **Breamy: An augmented reality mHealth prototype for surgical decision-making in breast cancer**
  Co-authors: Miranda Addie Bassel, Dr. Marta Kersten-Oertel, Dr. Sarkis Meterissian
  Accepted HTL journal publication(pending publication instructions) 🔗
  Accepted for the AE-CAI workshop conference
  Date of Submission: July 2023

ACADEMIC PROJECTS

- **Technical Lead**
  Surgical Innovation program of the Mcgill University

- **TDD discipline with flutter** 🔗
  Supervisor: Dr. Iman Attarzadeh ✉

- **Bitcoin price 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** 🔗

CERTIFICATES

- **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

EXPERIENCES

- *Vocational*

Data Analysis and Website Development with Flask   Montréal, Canada
Analysing and showing patient data extracted from Opera software at St. Mary's Hospital   April 2023 - July 2023

- **Project owner: Dr. Jennifer Mutch** 🔗
- Webpage Link 🔗

Developing Games with Unity   Tehran, Iran
By participating in Michigan State University course   Aug 2021 - Dec 2021

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

Data Analysis with Python   Tehran, Iran
By participating in IBM course   Oct 2021

- Training models, Visualization and Predicting Targets 🔗

Flutter Developer Internship   Tehran, Iran
Position as an intern developer in Hamvarzeshi(No Avaran Varzesh Digital) company   Jun 2020 - Dec 2020

- Gym app with Flutter and REST API 🔗

Front-End Senior Website Developer / UI-UX Designer   Tehran, Iran
Senior front-end developer and designer in homa company   Mar 2020 - May 2020

- Homa bidding Website 🔗

Front-End Senior Website Developer / IT Woman   Tehran, Iran
Senior front-end developer and designer in Mehraraseir Travel company   Sep 2019 - Feb 2020

- Designer and developer of Visaseven website 🔗
- Designer and developer of Mehraraseir website 🔗

Front-End Junior Website Developer / Co-Founder   Tehran, Iran
Junior front-end developer and co-founder at Dr.Motori startup   Jul 2018 - Jul 2019

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

- *Teaching*

Teacher Assistant   Montréal, Canada
TA/POD/Grader of **Software Engineering Design Project**   September 2023 - March 2024

- Project Manager of 2 software teams consisting of 10 members each

Teacher Assistant   Montréal, Canada
TA/POD/Grader of **User Interface Design course**   Jan 2023 - May 2023

- **Teach** course tutorials
- Create **content** for tutorials

Teacher Assistant   Tehran, Iran
*TA of **MATLAB Programming Workshop Course** in Islamic Azad University*   Jan 2021 - Jul 2021

- Solved **final exam sample questions**
  also, recorded mentioned classes (**200** reviews) 🔗

- Solved Students **Computational and Programming** problems

- Coordinated classes of almost **100** students

SKILLS

Programming
Skilled in: MATLAB, Python, SQL, Flutter, JavaScript, PHP, jQuery, HTML, CSS, Materialize CSS, Bootstrap,
Familiar with: C++
Other Skills: Unity ,Microsoft O365, Linux, SEO, Adobe Photoshop, UML, Git, LaTeX

LANGUAGES

- **IELTS (Academic):** (Listening: 8.5, Reading: 7.5, Speaking: 7.0, Writing: 6.5)
  Overall Score: **7.5**

- **French** Intermediate level at MIFI francisation