

Negar Haghbin

SOFTWARE ENGINEER

Montréal, QC

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Education

Concordia University

MASTER OF COMPUTER SCIENCE, CGPA: 3.98/4.3

Montréal, Canada

September 2018 - January 2021

- **Thesis:** "Notification, gamification and cueing in mobile health applications"
- **Courses:** Algorithm design techniques, Big data analytics, Multimedia processing

University of Tehran

BACHELOR OF SOFTWARE ENGINEERING, CGPA: 15.75/20

Tehran, Iran

September 2013 - January 2018

- **Bachelor Project:** "Code Review Web Application"
- **Courses:** Human-Computer interaction

Skills

Languages Swift, Java, C/C++, HTML, CSS, JavaScript, Python, SQL

Operating Systems MacOS, Linux, Windows

Software Packages Unity 3d (Vuforia), Microsoft Office, Xcode, Adobe Photoshop, Wordpress, Texmaker

Frameworks Spark, React, AngularJS

Projects

MSease

- An iOS mobile application for MS patients.
- The features include using AR for injection, reminder push notifications, and logging user's symptoms.
- Developed in Xcode with Swift using RealityKit and MongoDB+Realm.

Neblina Physio

- An iOS mobile application consisting of the Flappy Bird game and the Breakout game used for wrist physiotherapy.
- Used with Neblina motion sensor.
- Developed in Xcode with Swift.

5Mins Fitness App

- An iOS mobile application consisting of 4 categories of fitness workouts.
- Developed in Xcode with Swift.
- Consisting of different reminder push notifications such as geolocation notifications.

RehApp

- An augmented-reality mobile application consisting of 2 mini-games for ankle sprain rehabilitation.
- Developed in Unity 3D with Vuforia.
- Designed for IOS platform.

Human Activity Recognition

- Collaborated with one classmate in Big Data Analytics course.
- Analysed 2 cross validation methods for different classifiers on a dataset for 17 subjects.
- Developed in Python with PySpark.

Stock Market System

- Collaborated with one classmate on four months in Internet Engineering course.
- Developed in Java Enterprise using Maven, Hibernate and Tomcat.

Golestan (An educational system)

- Collaborated with one classmate on four months in Object Oriented Design course.
- Developed in Java with DDD approach.

Experience

Applied Perception Lab

RESEARCH ASSISTANT

- Developing an iOS mobile application for MS patients.

Montréal, Canada

January 2021 - June 2021

AI on a Social Mission 2020

DEVELOPER

- Helped in development of a Unity VR application designed for showing the results of the Art Impact AI workshop series.

Montreal, Canada

January 2020 - March 2020

GradProSkills

AMBASSADOR

- Providing feedback to new or enhanced workshops before they are offered.
- Helping raise awareness of GradProSkills through outreach tables and campus events.
- Assisting with special event organization.

Montreal, Canada

August 2019 - December 2020

Jadeh Khaki

FRONT-END DEVELOPER

- Collaborated with a team of developers in the design of an online hospitality service for Iran.
- Gained experience with React and Django programming.
- Participated in several exhibitions as a startup company.

Tehran, Iran

January 2018 - August 2018

Fanap (E-Health)

SOFTWARE ENGINEER INTERN

- Collaborated with a team of engineers in the design of a health-related social network.
- Gathered and documented the requirements for building a health-related social network.
- Organizing and editing the previous documentations.

Tehran, Iran

July 2016 - September 2016

University of Tehran

TEACHING ASSISTANT

- Assisted in teaching and grading exams for Introduction to computer science and programming course.
- Prepared and graded assignments for Artificial Intelligence and Software Testing courses.
- Managing TAs and course schedule for Software Testing course.

Tehran, Iran

2016 - 2017

University of Tehran's ACM Chapter

VOLUNTEER

- Designed the front page of F1 Journal 15th issue.
- Managing editor of F1 Journal 16th issue.
- Collaborated in several social events.

Tehran, Iran

International Students Office, Concordia University

VOLUNTEER

- Helping new students to scan and upload their documents.
- Providing essential information about Concordia University and Montreal.

Montréal, Canada

September 2019

Publications

On the impact of context-aware notifications on exercising

- Haghbin N., Kersten-Oertel, M. "On the Impact of Context-Aware Notifications on Exercising." In Proceedings of the 22nd ACM International Conference on Human-Computer Interaction With Mobile Devices and Services (MobileHCI '20), October 5–8, 2020, Oldenburg, Germany.

Multimodal Cueing in Physiotherapy: A Preliminary Study

- Haghbin N., Kersten-Oertel, M. "Multimodal Cueing in Physiotherapy: A Preliminary Study", In Proceedings of the 7th International Conference on Information and Communication Technologies for Ageing Well and e-Health (ICT4AWE 2021), April 24-26, 2021, Online streaming.

Personal Traits

- Highly motivated and eager to learn new things.
- Strong motivational and leadership skills.
- Ability to work as an individual as well as in group.