Maryam Bagheri

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EDUCATION

Master of Science, Software Engineering   Expected December 2021
Concordia University, Montréal, Quebec, Canada

Master of Science, Computer Engineering   2016
Payame Noor University of Tehran, Iran

Bachelor of Science, Computer Engineering   2011
Islamic Azad University of Karaj, Iran

COMPUTER SKILLS

- Programming languages: C, C++, SQL, Java, HTML, CSS3, Java Script, Bootstrap
- Content Management System: Joomla, Web page maker
- Analysis and Simulation Software: Arena, NS2, Smart Draw, Rational Rose
- Automated Testing Tools: JUnit, Selenium, JaCoCo, Clover, JMeter, Jenkins
- Other Software: Microsoft Office, Adobe Photoshop, Adobe XD, Jira

LANGUAGES

Fluent in English and Persian. Conversational French.

PROFESSIONAL EXPERIENCE

Teaching Assistant   Jan. 2021-Present
Dept. of Software Engineering & Computer Science, Concordia University, Montreal, Quebec
- Teacher assistant of Software testing, verification, QA, Software Architecture and Design, Operating Systems, and Java Programming.
- Develop and coordinate online course material for Zoom tutorial sessions.
- Prepare descriptions and outlines of course projects and assignments for students.
- Mark student's exams, assignments, and projects.

Lecturer   2016-2019
Dept. of Computer Engineering, Payame Noor University of Tehran, Iran
- Taught over 3 Bachelor level courses per semester. Programming Languages: C, C++, Java, SQL, and Assembly
- Taught Basic Concept of Computer Programming, Computer Architecture, and Operating Systems

Web Designer & Administrator   2015-2019
Center of Excellence in Design, Robotics, and Automation, Mechanical Engineering Dept., Sharif University of Technology, Tehran, Iran
- Designed and developed the center's external portal, and continue to update and maintain it on a regular basis.

Web Designer & Administrator   2013-2019

Campus Research and Technology, Sharif University of Technology, Tehran, Iran

- Designed and developed the center's external [portal](#). I also updated and maintained the portal on a regular basis.

Web Designer & Administrator   2013-2015

Sharif University of Technology, Tehran, Iran

- Designed, developed, and maintained the website of Dr. Meghdari's [portal](#) in the Sharif University of Technology.

Intern   Apr. 2008 - Feb. 2009

Tamin-Telecom Company, Tehran, Iran

- Programmed and developed the software for banking payment under the supervision of company.
- Worked on Java programming language and MVC design patterns

ACADEMIC PROJECTS

Modeling and Implementing Website for Collecting data for Covid-19 patients

- Designed and implemented Covid-19 website to help patients, doctors, and nurses.
- Created a website with faster access to the medical system during the Covid-19, more user-friendly and integrated.
- Used C#, Html, Java Scripts, CSS, and bootstrap for implementing a responsive website.

Modeling and Implementing Intelligent StudentIDentificationCode Abstract Data Type

- Used Java Programming language to design new abstract data type which automatically adapts to the dynamic content that it operates on.
- Implemented smart data structure with the ability to accept the size (total number of students) as a parameter and use an appropriate (set of) data structure(s).
- Implemented primary structures like add, remove, search, IsNext, Isprevious, getValues, RangeKey, etc.

Modeling and Implementing familiar Risk Game

- Designed and implemented a mini version of the Risk game under Command Prompt Control.
- implemented various operations like loading, editing, adding, removing, and validating for the player, Country, Continent, and Map.
- Used Java Programming language and design patterns for designing the game.

Tutorial Software Development

- Designed the multimedia Adobe Photoshop Tutorial by using C programming language
- Implemented the multimedia Windows XP Tutorial by using C++ programming language

CERTIFICATES

Certificate of HTML5, CSS3, and JavaScript – Udemy   2020

INTERESTS

Travelling, Cycling, Design and programming of functional algorithms, and of course Shopping