Razieh EsmaeiliBenvidi

PERSONAL DATA

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EDUCATION

AEC-Internet Programming   2023-Present
TAV College ⬈, Montreal, Quebec, Canada

B.Sc. in Computer Engineering, Subfield: **Software Engineering**   2016-2020
Islamic Azad University Central Tehran Branch⬈ , Tehran, Iran.
Last 65 Credits Cumulative grade: **18.18/20** (Equivalent GPA: **3.876/4**)
Total Cumulative grade: **16.83/20** (Equivalent GPA: **3.473/4**)
Major Courses: Human and Computer Interaction, Official Methods in Software Engineering, Internet Engineering, Software Testing, Operating Systems, System Analysis and Design.
Final Project: User Interface Design of a Sport Application for Mobile
Supervisor: Dr. Mohsen Jahanshahi✉

EXPERIENCES

Research Assistant   2019-2020

At Islamic Azad University Central Tehran Branch⬈ , Tehran, Iran.
Topic: IOT Smart Home
Supervisor: Prof. Parvaneh Asghari✉
This research aims to investigate the weaknesses and optimization of RGB cameras employed in smart houses.

ACADEMIC PROJECTS

WATCHERS: AN INTERACTIVE MOVIE WEBSITE | Project URL   2024

Developed frontend and backend of a comprehensive movie website that provides users with detailed information about movies, including trailers, ratings, cast details, and upcoming releases.

- **Front-End Development | HTML, CSS, JavaScript, React, Bootstrap**

  Implemented a responsive UI: Utilized HTML, CSS, JavaScript and React to create a visually appealing and user-friendly interface and to build dynamic and interactive components, ensuring a seamless user experience.

- **Back-End Development | Node.js, Express, SQLite**

  Used Node.js and Express: Created a server-side application to handle API requests and manage data efficiently.
  Database management: Designed and implemented database schemas using SQLITE to store movie details, user profiles, and actors' information.

AUDIO SIGNAL PROCESSING   2019

Supervisor: Dr. Reyhaneh Yousefi⊠

This project aimed to generate an audio signal in MATLAB:

- Using the sampling frequency to generate a sound.
- Investigating different type of noises and their source to combine with a sound, and subsequently its effect on human hearing.

SOFTWARE DEVELOPMENT OF HOSPITAL APPLICATION SYSTEM   2019

Supervisor: Prof. Mehdi Za'ferani⊠

This project investigated different steps of a software architecture and design for a hospital application system.
- **Domain Analysis:** The project was assessed against possible problems and their impacts on the users. The system was evaluated to define the users, analysis of the user's requirements, evaluate the limitation and priorities that led to creating a **Vision document**. Later, the project structure, resources, budget and development methods were investigated to design the optimization plan that resulted in the creation of **SDP document**. Then, the **Risk document** was created to identify, evaluate, classify and document the possible risks during the project.
- **Domain Design:** Usecase specification document and usecase diagram were developed based on analysis of the user-system interactions.
- **Software Architecture Design:** The structure of the software was designed based on the **Class and ER diagrams** that resulted in the designing of the software database.

COMPUTER SKILLS

- **Product Design:** Familiar with UI/UX design principles, worked with Adobe XD
- **Programming Essentials:** Python, Microsoft SQL server, Postgres, JavaScript, HTML/CSS
- **Frameworks:** React, NextJs
- **Developer Tools:** Git, VS Code, Visual Studio, PyCharm
- **Other:** Familiar with MATLAB, Adobe Photoshop, Moho, TV Paint Animation