Profil

Nom et Prénom : Essaghir Imane

Date de naissance : 19/02/2000

Adresse: TEMARA

Num de Tel : 0611792829

Mail : essaghirimane19@gmail.com

Formation

Juin 2017 : Baccalauréat en Sciences Mathématiques

(2017-2020) : Études de licence fondamentale en sciences mathématiques et informatiques appliquées à la Faculté des sciences de Rabat

Novembre 2020 : Obtention du diplôme de licence d'études fondamentales en sciences mathématiques et informatiques

(2021-2023) : Études de Master of Science in Computer Science à Berne, Fribourg et Neuchâtel, avec des cours complémentaires de master (cours de bachelor)

Février 2024: the degree of Master of Science in Computer Science, joint degree of the Universities of Bern, Neuchâtel, and Fribourg

Langues

Arabe, Français, Anglais

Compétences

Programmation en Java, Spring Boot, React

Langage c, sql

JUnit, Jira, Agile

Data science avec python

UX, design thinking

Conception et réalisation d'applications Mobiles avec java

Création des sites web html, css, javascript

Création de sites e-commerce (php)

Software development, Git

Meta modeling avec ADOxx

Recherche scientifique

Analyse et résolution de problèmes, travailler en équipe, prise de parole en public

Projets

1/ Code-comment inconsistency fixes dataset

mentor: DR.Nataliia Stulova

Project based on previous research

Stulova, N., Blasi, A., Gorla, A., & Nierstrasz, O. (2020). *Towards Detecting Inconsistent Comments in Java Source Code Automatically. 2020 IEEE 20th International Working Conference on Source Code Analysis and Manipulation (SCAM).* doi:10.1109/scam51674.2020.00012

Authors in (Stulova et al) developed a tool(updoc) to automatically detect code-comment inconsistencies during code evaluation.

Detecting inconsistent comments in java

Analysis of 500 commits in the Logano dataset published on github

Identify and categorize inconsistencies between code and comments in 500 commits.

Provide a taxonomy of inconsistencies.

Prepare files, the entries for the UpDoc tool.

Review of the source code, and testing

2/ A fuzzy application for diabetes diagnosis

using a fuzzy approach (membership functions,inference rules). The system computes the likelihood of a person having diabetes based on 3 factors: glucose level, BMI, and family history. It is very useful for handling uncertainty and imprecision.
I**mplementation:** python, skfuzzy library

3/Research paper (seminar human-computer interaction)

How to foster acceptance of AR/VR technologies in the industrial context?

mentor: Charly Leblanc

4/User Centered Design mental health Application (covid context)

A mental health website, using design thinking methodologies (user requirements,diary studies, questionnaires)

Prototypes with figma,usability testing,evaluation A/B testing

5/Real-time chat (example of distributed system)

Implementation: Language:Elixir, Framework: Phoenix

6/Employee Management System

Helping a HR company to manage their employees using the basic operations, adding an employee, deleting,saving, updating, retrieving an employee.

Framework: Spring Boot

7/ Mobile application for e-learning (licence)

Technologies: Android Studio, Java

Desktop java Quiz application (licence)

8/ Metamodeling with ADOXX

Self-adaptive Internet of Things Architecture (Smart Home Scenario)

- Create a simulation with Adoscript
- Design a visual representation of a smart IoT house, including the various devices, sensors, actuators, and their interactions.
- Model the components • Define Interaction • Simulate the Behavior
- Presenting the final metamodeling tool

9/ Master Thesis **: University -Industry Collaboration**

Development of Digital Collaborative Platform between the swiss-post company and the Human-IST institute for research collaborations.

Implementation: using decidim-open source, ruby on rails application