Shahin Yaghinloo

516-406-5056 | syaghinloo@gmail.com | linkedin.com/in/Shahin | github.com/Yaghs

OBJECTIVE

Recent Computer Science graduate with internship experience at the FDA, focused on data science, automation, and full-stack development. Brings strong analytical and programming skills with a collaborative mindset, eager to contribute to innovative and user-centered technology solutions.

EXPERIENCE

Data Science Intern   June 2024 – September 2024; January 2025 – May 2025
Food and Drug Administration (FDA)   *Remote, NY*

- Developed FDA's Labling Cost Model by converting legacy VBA code into a modern R-Shiny application, providing data visualization, improving maintability and cross-platform accessibility.
- Developed FDA's Medical classification Model by embedding VBA automation tools within Excel to streamline data input, validation and classification process, significantly reducing manual workload
- Debugged and optimized R scripts to ensure accurate outputs and robust performance, enhancing reliability of economic simulations.
- conducted SCRUM meetings with members of the team and provided assistance to members of the team, promoting collaborative problem solving and accelerating team progress
- Collaborated closely with the Economics team to gather domain requirements and deliver a fully functional prototype tailored to analytical and regulatory needs.
- Created user-friendly interfaces and modular code structures, allowing for easier updates and broader usability across the team.
- Received Letter of recommendation for outstanding performance

PROJECTS

PlotTwist – Group Senior Project (Movie Review Platform)   January 2025 – May 2025
Project Manager & Full Stack Developer

- Led project planning, design, and documentation for a movie review platform built with HTML, CSS, JavaScript, and Firebase.
- Created all system diagrams including UML, Context, and ER diagrams to support architectural clarity and team coordination.
- Designed frontend layouts and user flows for core pages: login, home, search, movie, actor, crew, profile, and community.
- Implemented user authentication with error handling and gated features for non-authenticated users.
- Built dynamic homepage features such as personalized recommendations and popular movie carousels.
- Added support for light/dark mode and customizable user settings.
- Developed social features including follow/unfollow, block/unblock, and joined community tracking.
- Integrated a help center chatbot and managed team progress via Trello (Board) and GitHub (Repo).

Medical Classification Model   January 2025 - May 2025
Data Science

- Automated classification workflows in Excel using VBA scripting, streamlining data entry, validation, and analysis.
- Built modular macros to support scenario-based classification runs with minimal manual input.
- Worked with domain experts to translate economic logic into user-facing tools and deliver a reliable working prototype.

Labeling Cost Model   June 2024 - August 2024
Data Science

- Re-engineered a legacy VBA model into an interactive R-Shiny web app, improving usability and maintainability.
- Utilized GitLab for version control and collaborative development across multiple branches.
- Designed reactive UI components to dynamically visualize and manipulate regulatory cost data linked across Excel datasets.

Education

Farmingdale State College Farmingdale, NY
Bachelor of Science in Computer Science, Dean's List Spring 2021 – Spring 2025
Certifications: R-Shiny (Udemy), SQL (Udemy)

Technical Skills

Programming Languages: Python, SQL, VBA, R, HTML, CSS, Java, JavaScript, React, TypeScript
Software/Technologies: Firebase, Git, GitHub, Trello, Agile/SCRUM, Visual Studio Code, Jupyter Notebook, Excel, RStudio