NGUYEN THAI BAO – Intern Software Engineer

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SUMMARY

I am a fourth-year student with a passion for data science. My academic background has equipped me with skills in programming languages, statistical analysis, and machine learning. I have the ability to learn quickly, communicate well, and like to research and learn interesting things.

EDUCATION

University of Science, Vietnam National University Ho Chi Minh City

- **Course**: 10/2020 – Present. (Expected graduation date)
- **Major**: Data Science (High Quality Program)
- **GPA**: 2.93
- **Achievements**:
    - Graduation course Data Visualization University of Illinois at Urbana-Champaign : coursera.org/share
    - Graduation course Text Retrieval and Search Engines University of Illinois at UrbanaChampaign coursera.org/share

TECHNICAL SKILLS

- **Programming Languages**:
    - Strong Python .
    - Basic about javascript, c++ .
- **Frameworks/Platforms**: TensorFlow, Scikit-learn, Numpy, Pandas, Pytorch.
- **Database Management Systems**: MS SQL Server, MongoDB.
- **Tools Visualization**: Tableau, Matplotlib, Seaborn.
- **English skills**:
    - Listening: Intermediate
    - Writing: Intermediate
    - Reading: Good
    - Speaking: Intermediate
- **Others**:
    - Experience using GoogleColab features such as storing, sharing, and collaborating on your notebooks with colleagues.
    - Apache Spark at a basic level to perform complex data processing tasks such as filtering data, extracting information, analyzing data, and making data-driven decisions.
    - I possess skills in deploying machine learning models on the web using various tools. Experienced in optimizing model performance and ensuring seamless integration, I bring a practical approach to implementing data-driven solutions in web environments.

PROJECTS

1. Web scraping and Visualize

- **Programming language***:* Python.
- **Frameworks***:* Selenium, Pandas, Matplotlib.
- **Github***:* baobao1911/Web-Scraping-and-Analysts
- **Tasks***:* Crawl data from website using selenium and analyze two specific aspects.
- **Description:** In this project, use the Selenium library to crawl data from a web page(WhoScored.com). After that, I processed the data to bring it back to a suitable format for visualization using the Matplotlib library. The result is a graph and valuable comments about the crawled data.

2. Create a Website to Sell Movie Tickets

- **Programming language***:* css, javaScript, Reactjs.
- **Github***:* baobao1911/BOOKING-MOVIE-PROJECT-HCMUS
- **Tasks***:* The task is to build the home page interface, reserve seats, select schedules, pay for movies for users and add movies, delete movies for customers using ReactJS and connect to API to display movie information and manage Book tickets.
- **Description:** Movie ticket sales website uses ReactJS with a smooth and flexible user interface. Users can easily search, view movie details, book tickets, and pay with momo through the website. Key functions include flexible booking, integrated user authentication, notifications and booking notes. Customers can arbitrarily add and delete movies, adjust movie showtimes, etc. Use technology such as ReactJS, React Router, and mongodb for data storage and management.

3. Prostate Cancer Segmentation from pathology images

- **Programming language***:* Python .
- **Frameworks***:* pytorch, albumentations, jupyter notebook, numpy, math, flashapi .
- **Github** *:* baobao1911/Prostate-Cancer-Segmentation-from-pathology-images
- **Task***:* all tasks .
- **Description:** This project aims to develop an artificial intelligence model to automatically segment cancerous regions in images depicting prostate cancersamples from the MICCAI Automatic Prostate Gleason Grading Challenge 2019. Base on PSPNet model, I will improve the model by using multiple branches with Hybrid Dilation and using Convolutional Block Attention Module to be able to expand receptive fields. Combined with Global Attention Upsample to return the original image size while still retaining the obtained features.