Tiến Anh Hà

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EDUCATION

Universita di Messina, Messina Oct 2020 - Jul 2023

Master's degree

- In-depth coursework focused on advancing knowledge in engineering and computer science.
- Specialized studies in machine learning and data science, exploring cutting-edge technologies, parallelism and methodologies.
- Active participation in research initiatives, contributing to the academic community and gaining hands-on experience.
- Extensive exploration of algorithms and data structures, developing a strong foundation for problem-solving.
- Strengthened understanding of data science and deep learning through immersive learning experiences.
- Collaborated with peers and faculty to address industry-relevant problems, fostering teamwork and communication skills.
- Engaged in projects that leverage machine learning and data analysis to provide innovative solutions.

Hanoi University (HANU), HANOI Sep 2016 - Jul 2020

Bachelor's degree

- Acquired a solid foundation in information technology, laying the groundwork for a successful career in the field.
- Comprehensive studies in web development, gaining proficiency in essential technologies such as HTML, CSS, and JavaScript.
- Explored databases and SQL, cultivating skills in designing and managing database systems.
- Developed proficiency in programming languages including Java and Python, enhancing problem-solving capabilities.
- Collaborated with peers on team projects, honing teamwork and communication skills.
- Demonstrated adaptability and versatility through exposure to a diverse range of IT topics.

Hung Vuong Specializes high school, Viet Tri, Phu Tho Sep 2013 - June 2016

High school

Focused on advanced mathematics, specialized in Hung Vuong, and exposed to innovative learning methods for a well-rounded academic foundation.

WORK EXPERIENCE

COMIT - COMIT Corporation System Hanoi 04 Oct 2023 - 08 Dec 2023

AI internship

I have honed skills in deep learning, computer vision, and AI application, showcased through endeavors such as comprehensive coursework, research, and the deployment of cutting-edge technologies for practical problem-solving:

- Engaged in practical problem-solving within the AI field, specifically focused on AI-Object detection application for camera-based timekeeping.
- Completed the full CS231n course, gaining comprehensive knowledge in deep learning and computer vision.
- Conducted in-depth research on papers and algorithms related to object detection and computer vision, aiming to find optimal solutions for camera-based timekeeping challenges.
- Applied acquired knowledge to process, synthesize, and analyze extensive datasets involving people, human faces, and environmental factors.
- Developed a customized timekeeping model for office settings using camera data.
- Implemented real-time staging models, utilizing frameworks and technologies such as Docker, TensorRT, ONNX, to optimize speed, accuracy, and other performance variables.

University of Messina, Messina Feb 2023 - May 2023

On-campus research internship in machine learning

Collaborated with a professor in the lab, actively contributing to the research and writing of papers on machine learning algorithms:

- Developed strong skills in conducting independent research and problem-solving to achieve desired research outcomes.
- Investigated and studied various machine learning algorithms, including the forward-forward (FF) algorithm, expanding knowledge within the field.
- Analyzed the advantages and disadvantages of the FF algorithm, ensuring a comprehensive understanding for its practical application to diverse datasets.
- Applied and refined FF algorithm techniques across multiple datasets , demonstrating adaptability and the ability to address real-world issues effectively like anomaly detection problem.

VMO Holdings, Hanoi Jul 2019 - Sep 2019

Inern React Native

Develop real-world expertise in the field of mobile software development. Get additional expert knowledge about solving business problems in groups.

- Studied and mastered Javascript, a fundamental language in web and mobile development.
- Specialized in the React Native framework, becoming proficient in cross-platform mobile application development.
- Acquired skills in UI design for mobile applications, enhancing the overall user experience and interface design.

ACTIVITIES

Studying NLP Jan 2024 - Present

Research and pratices NLP model

Investigated and specialized in the algorithmic domain of Natural Language Processing (NLP), focusing on model development and deployment.

- Conducted comprehensive research on NLP techniques, particularly in the application of pre-trained models like BERT and ELECTRA.
- Applied BERT and ELECTRA models to various datasets and tasks, contributing to advancements in NLP technology.
- Developed innovative approaches to NLP tasks, leveraging insights gained from studying the Hugging Face library.
- Collaborated with advisors and peers on research projects, sharing knowledge and expertise in NLP algorithms and methodologies.

Master's degree Feb 2023 - Jul 2023

Researcher on master thesis

Focused on the master's thesis with the topic: "Improving CycleGAN with Hybrid Architecture Generator for Unpaired Image Translation."

- Specialized in the algorithmic domain of computer vision, particularly in processing image data.
- Aimed to overcome limitations of the original CycleGAN by introducing a novel generator architecture.
- Developed a hybrid structure that combines the strengths of ResNet models with residual blocks and the U-net model with skip connection mechanisms.
- Contributed to the advancement of image translation algorithms, addressing challenges in unpaired image translation.

DataCamp Sep 2022 - Jan 2023

Self learning on data engineering field

- Engaged in self-directed learning on data engineering at DataCamp, a platform providing comprehensive courses for real-world data skills.
- Participated in the DataCamp self-study program, acquiring fundamental knowledge about data and related fields.
- Explored additional materials to advance proficiency in data engineering, enhancing skills crucial for working with real-world data.
- Demonstrated a proactive approach to continuous learning, aligning with industry trends and fostering career advancement in the dynamic field of data engineering.

CERTIFICATIONS

Master of computer science Jul-2023

SKILLS

Opencv-C++	Proficient in utilizing OpenCV with C++ for image and video processing, specializing in solving complex problems within the domain of computer vision. Applied OpenCV-C++ for tasks such as feature extraction, object detection, and image manipulation to address real-world challenges.
NLP	Proficient in leveraging NLP techniques with Python, particularly with libraries such as NLTK, spaCy, and scikit-learn, for text analysis and language processing. Specializing in addressing real-world challenges within the domain of NLP, I have applied these tools for tasks such as sentiment analysis, named entity recognition, and text classification
Python	Extensive experience using Python for data preprocessing and model training in machine learning and data science projects. Leveraged Python to preprocess and clean data, as well as to train machine learning models, providing valuable insights through statistical analysis.
Tensorrt-Docker	Possess a solid understanding of TensorRT and Docker for optimizing machine learning models in real-time deployment scenarios. Applied Docker to containerize models for efficient deployment and utilized TensorRT to maximize speed and performance.
Machine Learning Algorithm Frameworks	Proficient in using machine learning frameworks such as TensorFlow for building, training, and deploying machine learning models. Utilized Pandas for efficient data manipulation and analysis, enhancing the preprocessing and exploration phases of machine learning projects.
Researching and Studying	Proven ability to independently research and study algorithms from academic articles and publications. Applied research skills to stay abreast of the latest advancements in machine learning, enabling the selection and implementation of suitable models for specific projects.

INTEREST

- Playing Sports: Enthusiastic about engaging in various sports activities for physical fitness and recreation.
- Travelling: Passionate about exploring diverse cultures, cuisines, and landscapes through travel.
- Hang out with friends: Value social connections and enjoy spending quality time with friends.

ADDITION INFORMATION

Gmail: ht.nah98@gmail.com
Github: https://github.com/ht-nah98
Linkedln: https://www.linkedin.com/in/htnah98/
Leetcode: https://leetcode.com/ht-nah98/