HANTANG LI

Toronto, ON ⬦ individual.utoronto.ca/hantang_li (Project List)

mailto:hantangli@cs.toronto.edu ⬦ linkedin.com/in/hantang-li-18b77915b ⬦ github.com/Hantang-Li

OBJECTIVE

I am a hard-working and eager developer who would like to pursue a career in Software Engineering and the MLOps-related industries. My goal is to work in the development of ML algorithms applied to real-world problems. To that end, I have experience in machine learning research. My current studies focus on developing ML systems, cloud computing, network development, and data storage systems.

EDUCATION

Master of Science in Applied Computing, University of Toronto   Sep 2022 - May 2024
Focus: Computer Networks, Storage Systems, Big Data.
Teaching Assistant: CSC207 Software Design

Honours Bachelor of Science, University of Toronto   Sep 2017 - May 2022
Computer Science Specialist, Data Science Specialist
Cum. GPA: 3.9/4.0
Dean's List Scholar for all school years
Focus: Operating Systems, Computer Organization, Data Structures,
Neural Networks and Deep Learning, Computer Vision, Data Science

SKILLS

Programming Languages	Python, Java, R
Others	PyTorch, OpenCV, Linux, Azure, Spark, Docker, Django

EXPERIENCE

Research Assistant   May 2021 - July 2022
Sunnybrook Health Sciences Centre, Supervisor: Maged Goubran   *Toronto, ON*

- Presented Functional-Consistent CycleGAN for dealing with information loss on CTA to CTP image translation for healthcare purposes on stroke detection.
- Improved team productivity by documenting, automating and visualizing medical image statistics.
- Implemented T1 brain MRI segmentation using UNEt TRansformers on unprocessed clinical data.

ML Software Engineer Intern   May 2020 - May 2021
Huawei Noah's Ark Lab, Supervisor: Peng Dai   *Markham, ON*

- Design and develop features for an Intelligent Video Content Tagging system (VCT) on Huawei Cloud.
- Built PyTorch models that significantly improved VCT's performance on multiple video classification tasks.
- Maintained object detection demos for presenting project progress to the producer department of Huawei. Successfully delivered the product.

PROJECTS

YouTube Data Analysis. Analyzed whether YouTube is still popular, what factors could result in a high view and how people's preferences have changed in recent years. Data was obtained through YouTube Data API and analyzed using R's data science libraries. Provides interactive plots on a website for users to explore. (Link)

Music Object Detection. Used the Detection Transformer (DETR) and the Faster R-CNN on music object detection and compared their result with analyzing the model's structures. Received a perfect score, as it shows the potential of using DETR on music object detection.(Link)

Transit System. An object-oriented transit card system built by Java, able to configure station maps, store customer information, calculate fares and make logs. The project received a near-perfect score due to its fault tolerance. (Link)