Hantang(Hunter) Li

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EDUCATION

University of Toronto   Sep 2017 - Jun 2023
Honours Bachelor of Science, Computer Science Specialist and Data Science Specialist   Toronto
- cGPA: 3.89 / 4.00, CompSci GPA: 3.93/4.00
- Dean's List all semesters

HIGHLIGHTS OF QUALIFICATIONS

- Five years of coding experience and two years of data analysis and machine learning experience.
- One year of work experience in the machine learning industry.
- Taken CSC413 (A+), CSC311 (A), CSC324 (A-), JSC270 (A)
- Confident with Python, often use Pytorch and data analysis libraries such as Pandas. Familiarize with Linux-based systems, Docker and office software.
- A strongly motivated person and I enjoy working on a team.

PROFESSIONAL EXPERIENCE

BrainLab at Sunnybrook Health Sciences Centre   May 2021 - Present
Research Assistant
- Working on CT Perfusion Imaging Synthesis using Deep Generative Adversarial Networks.

Huawei noah's ark lab   May 2020 - May 2021
Research Engineer, Computer Vision Group   Ontario
- Took over multiple deep learning pipelines for producing models for video classification, audio classification and object detection.
- Developed multiple data preprocessing pipelines.
- Developed and modified data analysis and visualization pipeline.
- Created and maintained multiple machine learning docker environments.
- Developed multiple product demos for presenting machine learning products.

PROJECT EXPERIENCE

Exploration of Music Object Detection using Detection Transformer   Jan 2021 - May 2021
- Analyzed DETR and Faster R-CNN's structure based on the papers and PyTorch implementation.
- Performed model testing and validation
- Analyzed feasibility of applying DETR on Music Object Detection based on test results and both encoder and decoder heatmaps generated using the selected test data.
- Paper location:https://github.com/Hantang-Li/Exploration-of-Music-Object-Detection-using-Detection-Transformer

Sidewalk Labs data visualization tool   Jan 2020 - Apr 2020
- An Interactive Data Visualization tool, it can retrieve data from Numina Dashboard the preprocess, analyze vehicle's trajectory data then display as interactive statistical graphics.
- I designed and implemented a set of heatmaps to help users to visualize hot spots and dwell times for a selected area and time interval.
- Established our group's workflow and Prepared the project's presentation.

Sour-Lemon   Jan 2019 - Apr 2019
Full Stack Developer
- A movie rating website together with a group of four people. This project received a perfect score.
- Designed and implemented user main page, using Material Design Lite framework with Vanilla JavaScript and jQuery

SKILLS, CERTIFICATIONS & OTHERS

- **Skills:** Python, Data Analysis, Machine Learning, Docker, Java, C, HTML, CSS, JavaScript, SQL, basics of assembly lan-guage and Verilog
- **Certifications:** IELTS 6.5, Ontario scholar, Euclid math contest top 25 percent, certification in Standard First Aid
- **Languages:** English (Fluent), Chinese (Native)
- **Interests:** Skateboarding, Singing, Cooking, Video Games, Anime, Biology (A+ in BIO 130)
- **Activities:** Saxophone level 3 (china), tutoring college student math