Haoda Li

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SKILLS

Computer Vision
Pytorch/torchvision • Tensorflow
OpenCV• Scikit-image
Multimedia•3D Vision

Computer Graphics
WebGL(OpenGL)•CUDA
Geometry Processing•
Physcics Based Animation

Machine Learning/Data Science
Pandas•Plotly•SciPy•
Pytorch•Tensorflow•Scikit
SQL•MongoDB•AWS/Google Cloud

Web Full Stack
React & React Native•TypeScript
Django•Go•NodeJS
Database (SQL/NoSQL)•AWS•GCP
Linux•Bash•Docker

Programming Languages
Python • JavaScript • C++ • Java
C •Go• Matlab • R

AWARDS

Dr. James A. & Connie P. Dickson Scholarship In Science & Mathematics
2020 Sept.| Toronto, ON

University College Special Admission Scholarships
2017 Sept. | Toronto, ON

Provincial Champion, Hypatia Mathematics Contest
2014 Apr. | Waterloo, ON

ORGANIZATIONS

Web Manager
Aug.2019-Present
University of Toronto
Anime, Comics, and Games Club

Software Developer
Mar. 2018 - Sept. 2018
Team Wealthy Piggy
University of Toronto Hatchery

LINKS

lihd1003.github.io
github.com/lihd1003
linkedin.com/in/haoda-li-515b26165

SUMMARY

A fourth year computer science and data science student who is passionate in integrating new computer vision and multimedia technologies and developing cool applications.

EDUCATION

UNIVERSITY OF TORONTO ST. GEORGE CAMPUS

Sept.2017 - Present | Toronto, ON
Honours Bachelor of Science
Specialist in Computer Science and Data Science
GPA: 3.89/4.0 Dean's List (All Semesters)

EXPERIENCE

HUAWEI CANADA | Research Engineer Intern

May 2020 - Present | Markham, ON
- Worked in **Noah's Ark Lab Canada, Compute Vision team**.
- Assisted the fellow researchers on developing cutting edge methods on video event localization and content understanding.
- Developed a large scaled (>500 classes) video segmentation and labelling system, which have been integrated to the company's production pipeline.
- Researched and integrated various cutting edge CV and multimedia technologies to develop the AI engine for video editing applications.

EASY GROUP INC. | Full Stack Developer

May 2019 – Apr. 2020 | Toronto, ON
- Designed and created the user account (database) system which features automatic customer analysis and sales prediction. Currently, the system manages >240,000 users.
- Worked on creating the customer relation management system to unify the customer information hold by different subsidiaries.
- Created and managed the 4 subsidiaries' brand websites and 7 online shops.

RESEARCH

WANG LAB, VECTOR INSTITUTE | Undergrad Researcher

Sept. 2019 – Apr. 2020 | Toronto, ON
Supervised by **Prof. Bo Wang**, created **SCAWP**, a web application which allows biomedical researchers to easily pre-process, analyze, and interact with single cell data. The application contains a modern interface for easily building data processing pipelines and a library for 3D interactive data visualizations.

DEPT. OF ECONOMICS, U OF TORONTO | Research Assistant

Apr. 2019 – Aug. 2019 | Toronto, ON
Assisted **Prof. Luo Yao**'s research on the characteristic predictions of hotel tax evasions among Airbnb hosts in Texas. Collected, cleaned, and analyzed hotel tax data, Airbnb's sales data, and hotels sales data. Assisted on implementing the analysis algorithm and creating interactive map for visualizing region and seasonality changes of taxation.