Haoda Li

Software Engineer

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Summary

A third year computer science and data science student that is passionate in delivering the power of machine learning algorithms to the public through improved usability and richer visualizations.

Education

University of Toronto, St. George Campus *Toronto, ON*

Honours Bachelor of Science, Computer Science Specialist and Data Science Specialist, GPA 3.83/4.0 *Sept. 2017 - Present*

Focus in Machine Learning, Data Visualization, and Web Development

Related Skills

Web/Mobile Development JS, React, NodeJS, HTML/CSS, EmberJS, Java, AWS, NodeJS, Django, MongoDB

Machine Learning Numpy, Scikit-learn, Tensorflow, R, Data Structure, Algorithm Design

Data Engineering Python, Pandas, Statsmodel, Plotly, R

Experience

Data Analyst Specialist *Toronto, ON*

Easy Group Inc. *May 2019 - Present*

- Designed and implemented the sales database and processing pipeline. By creating an Flask frame to retrieve and process data, the daily collection, cleaning, and simple processing are fully automated.
- Built a machine learning based customer classification and recommendation model. After deploying the new model as a microservice module onto the online store, the revenue improved by 40%.
- Developed a management application for data aggregation, enabled the marketing department to easily create better data visualizations and summaries.

Research Assistant *Toronto, ON*

Department of Economics, University of Toronto *Apr. 2019 - Sept. 2019*

- Assisted Prof. Luo's research on the characteristic predictions of hotel tax evasions among Airbnb hosts in Texas
- Implemented methods to collect, clean hotel sales data. Used text analysis and image feature matching to merge hosts with tax reports
- Created an interactive map to visualize and summaries how time and region impact the taxation.

Research Student *Toronto, ON*

Wang Lab, Vector Institute *Sept. 2019 - Present*

- Worked on building the SIMLR Interactive Single-cell Analysis Tool under the supervision Prof. Wang. Focused on improving usability on machine learning algorithm in the single cell analysis field.
- Researched, designed, and implemented the web application for creating, runing, and visualizing machine learning based algorithms on single cell analysis. Allowed biomedical researcher to get hands free from coding, while accessing the power of cutting-edge machine learning algorithms.

Organizations

Web Manager

University of Toronto Anime, Comic, and Games Club *Aug. 2019 - Present*

Full Stack Developer

Team Wealthy Piggy, University of Toronto Hatchery *March 2018 - Sept. 2018*