

Ryan Li

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EDUCATION

McMaster University

Bachelor of Science, CGPA: 3.7

Hamilton, ON

Sept. 2023 – Present

Iroquois Ridge High School

High School

Oakville, ON

Sept. 2019 – June 2023

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, R

Developer Tools: Git, Github, Kaggle, Jupyter

Libraries: pandas, NumPy, Matplotlib, Seaborn, Plotly

EXPERIENCE

Machine Learning Researcher

Borealis AI

March 2024 – May 2024

Toronto, ON

- Participated in the Spring 2024 Let's SOLVE it program at Borealis AI
- Worked in a team environment, collaborating with 3 team members on a project investigating post-liver transplant mortality
- Benefited from the mentorship and expertise of professional ML researchers at Borealis AI, contributing to the creation of high-quality work and achieving effective results
- Presented results of the 2 month project during the program's demo day

Math Society Executive

Iroquois Ridge High School

September 2021 – June 2023

Oakville, ON

- Provided weekly math assistance at drop-in clinics to younger students, tailoring content to optimize engagement
- Organized and facilitated math events (e.g. monthly contests), to encourage participation and create a motivated and passionate learning environment

PROJECTS

Post-Liver Transplant Mortality | *Python*

February 2024 - May 2024

- Collaborated on a team project aimed at developing and training a predictive model for post-liver transplant mortality rate, surpassing the performance of the MELD score
- Liver data was provided by emailing and negotiating with United Network for Organ Sharing,
- Conducted visualization analysis, feature engineering, and trained diverse models on liver data, including Decision Tree, Random Forest, Logistic Regression, and XGBoost
- Implemented confusion matrix and visualization plots to assess performance of the models

NBA Players Analysis | *Python*

January 2024 - May 2024

- Performed analysis on height and weight of NBA players
- Visualized plots to show correlation between physical traits and game performance
- Developed trendlines to illustrate the evolution of three-point shooting among NBA centers across various eras
- Engaged in feature engineering, such as label and one-hot encoding to identify and explore targeted features for analysis.

Personal Portfolio | *HTML/CSS, JavaScript*

April 2024 - May 2024

- Created personalized portfolio website using HTML, CSS, and jQuery to display previous projects and achievements
- Icons were imported through Boxicons
- Used ScrollReveal.js and typed.js to produce smooth animations and user-friendly interface