

Oliver K. Pan

 oliverkpan  oliverpan  oliverkpan.com  oliver.pan@mail.utoronto.ca

SKILLS

Programming Languages: Python, SQL (Oracle, MS SQL, MySQL), HTML, CSS, JavaScript, C, Git

Data Science: pandas, numpy, seaborn, matplotlib, plotly, Streamlit, Jupyter Notebook, FBProphet, Tableau

Machine Learning: scikit-learn, Keras, Tensorflow, OpenCV, nltk

WORK EXPERIENCE

Data Science Intern, CIBC Data Studio

05/21 - 08/21

- Extract and wrangle data from various sources/formats to appropriately prepare data for further analyses
- Apply business-relevant statistical, machine learning, or deep learning approaches to solve business challenges
- Program data science applications that directly solve business challenges, considering infrastructure and end-use constraints

Data Management Operations Intern, Ontario Teachers' Pension Plan

09/20 - 12/20

- Developed ETL process for Quantitative Research project, writing 100+ SQL queries and building Python checks on 32 critical datasets, capturing 100% of critical incidents during 2 months of production.
- Automated 10+ Python scripts, notifying business stakeholders by email notifications, which resulted in saving two hours of daily work for a team of eight members.

Data Science Intern, Royal Canin

06/20 - 08/20

- Filtered 300,000 consumer purchases by building machine learning models such as XGBoost to provide actionable insights, which resulted in company investment of \$30,000 into marketing activities.
- Generated \$100,000 investment for future promotions by developing A/B tests on four years of historical data to analyze impact of promotions on subscription service, working with cross range of teams.
- Assisted veterinarians in diagnosis of urolith stones, analyzing 60,000 submissions to deploy web application using Streamlit from a CatBoost model; conducted cross-validation for an accuracy of 90% F1 Score.

Data Analyst Intern, CardSwap Inc.

09/19 - 12/19

- Increased transaction processing speed by 25%, successfully identifying and analyzing the data of over 500+ customers, which resulted in business transactions of over \$4000 daily, via Microsoft Excel.

EDUCATION

Bachelor of Science (BSc) - Statistics, University of Toronto

2018 - 2023

Bachelor of Business Administration (BBA) - Management & Finance, University of Toronto

2018 - 2023

- **Undergraduate Teaching Assistant**, Foundations of Business Management

PERSONAL PROJECTS

Menda

- Developed mental health management application which utilized OpenCV and nltk, presenting the project at a hackathon (Hack Western 7) and being awarded Best Health Hack, placing 1st out of 180+ participants.