



Oliver K. Pan

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SKILLS

Programming Languages: Python, SQL, HTML, CSS, Java, JavaScript

Data Science: pandas, matplotlib, seaborn, numpy, Jupyter Notebook

Machine Learning: TensorFlow, scikit-learn, PyTorch

Software Tools: Microsoft (Excel, Word, Powerpoint), Tableau, Github, Atom

EDUCATION

BBA Management (Co-op) - Information Technology Specialist, University of Toronto

2018 - 2022

- Pursuing a Minor in Computer Science
- **Quantitative Coursework:** Calculus for Management (I & II), Calculus for Physical Sciences (II), Linear Algebra (I), Introduction to Computer Science (I), Quantitative Methods in Economics (Statistics I), Corporate Finance, Price Theory

WORK EXPERIENCE

Data Management Operations Intern, Ontario Teachers' Pension Plan

May 2020 - December 2020

- Participates in data exception process, using applications such as Bloomberg, Datascope, Oracle EDQ, and SQL
- Creates and manages scripts, accessing large databases utilizing Python, and generating reports using pandas
- Applies controls, checks, and balances using ETL, assisting with the generation of team metrics

Data Analyst Intern (Part-time), CardSwap Inc.

September 2019 - December 2019

- Increased transaction speed by 25%, successfully identifying and analyzing the data of over 500+ customers, which resulted in business transactions of over \$2500 daily
- Produced small-sized datasets with ~150 entries, utilizing Excel for company research and development, assisting with external relations and corporate development
- Compiled code snippets using PHP to promote holiday deals and increase customer product purchases

Undergraduate Teaching Assistant, University of Toronto

September 2019 - December 2019

- Corrected and assessed 60+ assignments and 70+ exams partnering with a team of eight teaching assistants to support a course (MGTA05 - Foundations of Business Management) with a class size of 300+ students

PERSONAL PROJECTS

Savour (DeltaHacks VI), HTML/CSS/JS/Flutter/Dart

- Spearheaded a hackathon project by creating a mobile app that assists with financial planning and budgeting. Utilizes Flutter to create application, paired with HTML/CSS for web creation.

Fantasy Hockey League Statistical Model, Python

- Utilizing heat maps (Seaborn) and data visualization (Numpy/Matplotlib), the model would analyze trends in fantasy hockey, given category scores and player statistics. Further implemented scikit-learn, testing and training data.

Movie Recommender, Python

- This was a school project that implemented a collaborative filtering algorithm, searching through a dataset with 2000+ movies, and recommending 5 movies for users utilizing machine learning, based on user ratings and movie preferences

UniRide (Formerly UniShare), HTML/CSS/JS

- Created a web application that allows for carpooling events, focused towards university students that require ride share services. Pitched app/project which was awarded 2nd Place in the Envision Entrepreneurship Competition and small prize.

CO-CURRICULAR EXPERIENCE

Business Analyst, Developer Student Club

November 2019-Present

- Maintains connections between 30+ developers and external relations, creating reports and communicating effectively with clients to ensure that club operations run smoothly

AWARDS

- **DECA Top 10 International Finalist (2018)**- Competed in Atlanta against over 2000 students in a stock pitch competition
- **MESA Associate of the Year (2019)**- Awarded for outstanding effort during the 2018-2019 Year, organizing an event with 300+ guests
- **OBEA Leadership 2nd Place (2018)**- Placed 2nd in the Ontario Business Educators Association Leadership Competition
- **LIVE Case Competition (2019)**- Achieved top recognition by KPMG in the financial analysis portion