Oscar (Yan) Yu

Computer Science Student at Western University

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Education

09/2020–04/2024 — **Honors Specialization Computer Science (BSc)**, Western University.
GPA: 3.8/4.0 (88.9%)
- Ivey HBA 2024 candidate
- **Scholarships:** Western Scholarship of Distinction
- **Awards:** Dean's Honor List (2021, 2022)

Skills

Languages Python, Java, C, HTML/CSS, JavaScript, SQL, R
Data Pandas, SQLite, Oracle Database, PostgreSQL
Other Git, LaTeX, Excel, PowerBI, Capital IQ

Work Experience

05/2022-Present — **Bank of Montreal**, Risk Analyst.
- Implemented tools to gather and visualize key metrics relating to counterparty risk using Python, SQL, and PowerBI. Led PowerBI reporting migration for a team of 10, reducing the time needed to create month-end breakdown reports by 80%.
- Optimized data pipeline between database systems and internal reporting/analytics by deploying automated Python and Jupyter scripts enabling automatic daily report generation from Oracle Database.

08/2021–12/2021 — **Good News Ventures**, Venture Capital Analyst.
- Screened over 100 companies, scheduled and conducted 35+ founder interviews, and composed 2 investment memos for general partners. Contributed to increasing qualified deals sourced by 269%.
- Helped develop a Python based web application to streamline matching of portfolio companies with limited partners.

Projects

Western Rank.
- Built a course review hosting platform for Western University and affiliate universities.
- Designed API endpoints for database querying and implemented custom Auth0 user authentication using Next.js and JavaScript/TypeScript.
- Created server-side rendered pages for course reviews and user profiles using Next.js and React.
- Deployed PostgreSQL database for review and course data hosted on Amazon RDS (AWS). Wrote Python script to scrape, clean, and load course information from university academic calendar to Postgres DB using Beautiful Soup, Psychopg2, and Pandas.

Ikea Tracker, link | github.
- Application to track and notify users of stock and restock information for Ikea products.
- Fetched, cleaned, and served inventory data from IKEA's API to a web interface using Python's Requests library and JavaScript.

Leadership Experience

01/2022-02/2022 — **International Collegiate Programming Contest**, ICPC Team Coach.
- Led team of 3 to place 1st out of 16 Western University teams in ICPC North America Qualifiers.

09/2020–04/2022 — **Mustang Capital**, Event-Driven Analyst.
- Pitched trades based on earnings calls, special events, and merger arbitrage opportunities. Built DCF for intrinsic valuation of W.R. Grace in a timely manner, driving successful arbitrage trade on cash merger with 8%+ profits. Analyzed historical correlation between Alibaba 11/11 sales and Q3 earnings to build alternative revenue model, successfully predicting a $500M revenue beat.

09/2020–04/2022 — **Western Investment Club**, Researcher.
- Created Week-in-Review presentation on US accounting regulations and case study on Luckin Coffee to educate 40+ researchers and analysts on accounting fraud in public companies. Conducted competitor analysis for the Financial Institution Group's buy pitch on Apollo Global Management.