

# Oscar Yan Yu

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## EDUCATION

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### Western University, Ivey Business School

London, ON

*Honors Specialization Computer Science, Honors Business Administration*

*Sept. 2020 – May 2024*

- GPA: 3.8/4.0 (88.9%)
- **Scholarships/Awards:** Western Scholarship of Distinction, Dean's Honour List (2021, 2022)

## SKILLS AND INTERESTS

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**Languages:** Python, Java, C, SQL (Oracle, SQLite, PostgreSQL), JavaScript, HTML/CSS, R

**Tools/Frameworks:** React, Node.js, Git, VS Code, IntelliJ, Eclipse, Figma, PowerBI, LaTeX, Linux

**Interests:** Photography, Competitive Programming, K-R&B, Mechanical Keyboards, Teamfight Tactics

## EXPERIENCE

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### Bank of Montreal, Risk Analyst

May 2022 – Aug. 2022

- Implemented tools to gather and visualize counterparty risk metrics using Python, SQL, and PowerBI.
- Led PowerBI reporting migration for team of 10, reducing time taken to create month-end reports by 8 hours.
- Optimized data pipeline between database systems and internal reporting/analytics by deploying Python and Jupyter scripts to automate SQL querying and report generation from Oracle Database.

### Good News Ventures, Venture Capital Analyst

Aug. 2021 – Dec. 2021

- Developed Python and Flask based web application to streamline matching portfolio companies with partners.
- Screened over 100 technology startups, scheduled and conducted 35+ founder interviews, and composed 2 investment memos for general partners. Increased qualified deals sourced by 269% year-over-year.

## LEADERSHIP

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### Western AI, Project Manager

Sept. 2022 – Present

- Led weekly meetings and mentored team of 4 in Python, Git, and TensorFlow.
- Developed convolutional neural network using Python and TensorFlow to classify bird species.
- Deployed real-time video classification app using OpenCV.js and Node.js.

### International Collegiate Programming Contest, Team Coach

Jan. 2022 – Present

- Led team of 3 to place 1st out of 16 Western University teams in ICPC North America Qualifiers.

### Mustang Capital, Event-Driven Analyst

Sept. 2020 – Apr. 2022

- Pitched trades based on special events and merger arbitrage opportunities for \$40,000 fund.
- Completed DCF valuation of W.R. Grace in a timely manner, driving successful arbitrage 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.

## PROJECTS

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### Western Rank

- Built a course review platform for Western University and affiliate universities.
- Created server-side rendered course pages in React with custom Auth0 authentication using TypeScript.
- Designed PostgreSQL DB and Next.js API endpoints for reviews and course data hosted on Amazon RDS (AWS).
- Wrote Python script to scrape, clean, and load information from 6000+ courses to Postgres DB using BeautifulSoup, Psychopg2, and Pandas.

### Ikea Tracker

[website](#) | [github](#)

- Web application to track and notify users of stock and restock information for Ikea products.
- Fetched, cleaned, and served JSON data from IKEA's API to web interface using Python and JavaScript.
- Optimized memory usage to meet hardware constraints of ROCKPro64 single-board computer.

### Ivey Learn Plus

[website](#)

- Published an extension for Google Chrome to enhance user experience of Ivey's Learn platform using JavaScript.
- Streamlined navigation by implementing calendar-based date selector and collating booking info into a single page, improving navigation speed by 85% for over 70 active users.