

Duncan Harrop

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EDUCATION

University of British Columbia

Vancouver, Canada

B.A. Economics and Statistics, Minor in Data Science, GPA: 3.7 / 4.0

September 2021 – May 2026

- **Applied Experience:** Selected for UBC's AI in Finance Program; collaborating with Connor, Clark & Lunn on a capstone project backtesting quantitative trading strategies using CNNs and transfer learning for return predictability

WORK EXPERIENCE

Podifi

San Francisco, United States of America

Product Manager — AI Start Up

March 2026 - Present

- Leading development projects across multiple clients, translating requirements and prototypes into production-ready artifacts

Arbion

London, United Kingdom

Investment Analyst — London Investment House

June 2025 – July 2025

- Prepared daily macro reports on rates, inflation, and sectors to guide portfolio decisions across \$2.6B in client assets
- Performed diligence on a ~\$3B Cat Bond strategy co-advised by Swiss Re, analyzing manager strategy, drawdown profile, and liquidity structure to evaluate fit within discretionary mandates
- Conducted macro, fundamental, and comps-based analysis on D.R. Horton (NYSE: DHI) and U.S. homebuilders, supporting a long position at ~\$129 entry with strong returns to date

Union Bancaire Privée

London, United Kingdom

Investment Analyst — Swiss Private Bank, \$164B AUM

June 2024 – August 2024

- Managed client portfolio models tailored to their risk level, adjusting asset class exposure, covering over \$962M in assets
- Wrote FX reports with guidance for currencies, further executing swap trades & dual currency deposits totaling \$50M+
- Produced deep credit research on Netflix (NASDAQ: NFLX), analyzing cash flows, earnings quality, and capital structure to assess bond attractiveness and support portfolio positioning

Tera Partners

Vancouver, Canada

Private Equity Research Analyst — Middle-market Search Fund

January 2024 – May 2024

- Screened 200+ companies in self-storage, collision repair, HVAC, and hardware, identifying \$10M–\$50M revenue targets
- Evaluated a \$50M+ HVAC manufacturer, evaluating product mix, customer concentration, and growth potential
- Developed investment memos, analyzing company financials, revenue mix, industry trends, culminating in two full deal reviews

RESEARCH EXPERIENCE

Vancouver School of Economics, UBC

Vancouver, Canada

Research Assistant – Professor Miguel Ortiz

March 2025 – Present

Discipline Study – RCT, China vs. U.S. business training (Ethiopia)

- Supporting a multi-wave RCT on training effects on worker productivity across 240 firms and ~1,200 workers in Ethiopia
- Automated a reproducible Stata data-quality pipeline across surveys (~230 variables), replacing a manual process and building enumerator-level scoring that informed field-team staffing decisions
- Implemented cross-validated LASSO variable selection and constructed baseline–midline panel and attrition measures to support treatment-effect analysis

Hate, Fear & Intergroup Conflict – political-discourse NLP (Nigeria)

- Built an NLP pipeline classifying ~9,700 texts across platforms (news, YouTube, forums), web-scraping ~4,900 URLs with LLM structured-output classification
- Surfaced a 3.4× fear-framing gap between article bodies and headlines, supporting an ongoing working paper

PROJECTS

Graduating Thesis: Recency Bias in NBA Betting Markets

R, Research Paper, Available upon request

- Analyzed 35K+ NBA games (2007–2023) to evaluate informational efficiency and test for recency bias using OLS, fixed effects and logistic benchmark models under Professor Miguel Ortiz (Vancouver School of Economics)

Firm-Pair Merger Prediction: A Topological and ML Approach

Python, Group Project, Available upon request

- Built an M&A prediction pipeline embedding patent portfolios of 7,485 firms via PatentSBERTa and Bayesian GMMs to measure pairwise R&D synergy. Created a directional complementarity metric, Comp(A → B), that identifies whether a target fills an acquirer's market-relative R&D gaps, validated across 28M+ firm pairs.

SKILLS

- **Technical Skills:** Python, R, SQL, VBA, Julia, JavaScript, Git, Bloomberg, Capital IQ, Aladdin, Excel, Power BI
- **Languages:** English (native), Mandarin (written and spoken)
- **Interests:** Fly Fishing, Comic Collecting, Hockey (Vancouver Canucks), American Football (Seattle Seahawks), F1, Rowing