# Gregory Truong

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## Education

**University of Waterloo** — Waterloo, ON

*Bachelor of Mathematics (Honours), Co-operative Program* — *Sept. 2025 – Apr. 2030*

- Relevant coursework: Data Science, Linear Algebra, Calculus, Computer Science, Managerial Accounting

## Skills

**Languages**: Python, SQL, TypeScript, JavaScript, Java, C, C++, HTML/CSS
**Frameworks / Libraries**: React, Node.js, .NET, pandas, NumPy, scikit-learn, Plotly, Streamlit
**Cloud / Data**: AWS, Azure, Docker, Power Automate, Power Apps, Excel
**Developer Tools**: Git, GitHub, pytest, Claude API

## Projects

**Car Depreciation Analyzer** | *Python, pandas, scikit-learn, matplotlib, pytest*

- Built an end-to-end Python **machine learning pipeline** (ingest, clean, train, analyze) that merges and standardizes **16,000+ used-car listings** from two sources, with pytest-tested data cleaning and validation
- Predicted used-car value within **7.7% median error** (**$R^2$ 0.89** on 3,294 held-out cars), beating a linear regression baseline by 19%, by training a gradient boosting model with monotonic age and mileage constraints
- Found that buying at the optimal age **roughly halves yearly ownership cost** for 5 of 6 example models by fitting smoothed depreciation curves and validating them against independent dealer prices

**Stock Report Card** | *Python, pandas, NumPy, Streamlit, Plotly, yfinance*

- Graded any public stock A–F on growth, profitability, valuation, and risk by building a **Streamlit dashboard** that scores **10 financial metrics** against S&P 500 benchmarks and explains them as plain-English insights
- Computed annualized volatility, maximum drawdown, and beta from **5 years of daily prices** with pandas and NumPy, verifying the statistical calculations with pytest unit tests on synthetic data with known answers
- Built **interactive Plotly data visualizations** that rank multiple stocks by $10K investment growth and drawdowns versus the market, handling missing data such as negative earnings and ETFs without failing

## Experience

**Kitchen & Front Counter Associate** — Sept. 2025 – Present

*King Pizza and Wings* — *Waterloo, ON*

- Processed **30–40 in-person and phone orders per shift** during peak service while handling cash transactions, closing duties, and end-of-day sales reconciliation
- Prepared the full ingredient line (dough, wings, sauces, produce, fried sides) and cooked across every station, and streamlined prep and order handling with the team to speed up turnaround at peak hours
- Pitched a business case for a company website to the owner to capture direct orders and reduce third-party delivery commissions, then collaborated on building it; the site is **live and in use today**

## Leadership Experience

**University of Waterloo Vietnamese Student Association (UWVSA)** — Waterloo, ON

*Human Resources Executive* — *Sept. 2026 – Present*

- Co-hosted the Click Lab keycap event, drawing **about 300 students** and **1,000+ Instagram shares**, securing a Nongshim sponsorship for product giveaways, and generating **nearly $1,000 in profit** from keycap sales
- Onboard new members and lead check-ins across a **60–70 member association**, and plan internal events that build an inclusive team culture
- Created **Gamemaster**, a challenge game for members, built scheduling polls and forms; currently building UWVSA's official website with the executive team

*Events Coordinator Executive* — *May 2026 – Aug. 2026*

- Coordinated a bonfire social and a boba-making event that drew **about 50 and 150 attendees**, **tripling turnout** by running day-of operations, sourcing supplies, managing event cash, and designing promotional posters