

# STIVI CANKA

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## EDUCATION

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| Sep 2026 – Jun 2028<br>Stanford, CA | <b>Stanford University</b><br><i>MS in Management Science &amp; Engineering (Expected Jun 2028)</i> <ul style="list-style-type: none"><li><i>Intended Coursement:</i> Machine Learning, Deep Learning, Advanced Optimization, Product Management</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sep 2021 – Apr 2024<br>Halifax, NS  | <b>Dalhousie University</b><br><i>BA (Honors) in Economics, Double-Minor in Mathematics &amp; Business; GPA: 4.27/4.30</i> <ul style="list-style-type: none"><li><i>Coursework:</i> Statistics, Linear Algebra, Multivariable Calculus, Differential Equations, Econometrics</li><li><i>Leadership:</i> Founded Dalhousie's first Quantitative Finance Society; grew to membership to 50+ students within one semester through case competitions and workshops on portfolio theory, derivatives, and algorithmic trading</li><li><i>Awards &amp; Scholarships:</i> University Medal in Economics (Top Graduate, Class of 2024), Best Economics Research Paper Award (2024), Douglas C. Mackay Award for Excellence in Money Management (2024)</li></ul> |

## PROFESSIONAL EXPERIENCE

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| Jun 2024 – Aug 2025<br>Toronto, ON | <b>KPMG</b>   <i>Technology Risk Consultant</i> <ul style="list-style-type: none"><li>Conducted enterprise risk assessment for a Top 5 Canadian pension fund (\$250B+ AUM); findings directly drove enterprise risk framework overhaul and development of new operational risk mitigation strategies</li><li>Developed Python analytics tool to detect access control violations across 100K+ user logs; identified unauthorized privilege escalations and untimely access removals, reducing review time from 3 days to under 3 hours</li><li>Built ETL pipelines feeding Power BI dashboards that visualized risk exposure across 30+ control domains; identified \$2M+ in potential operational risk reduction, informing executive remediation priorities</li></ul>                                                    |
| May 2023 – Aug 2023<br>Toronto, ON | <b>TD Bank</b>   <i>Market Risk &amp; Model Development Summer Associate</i> <ul style="list-style-type: none"><li>Monitored market risk exposure across \$2B+ multi-asset portfolios using VaR analysis, Monte Carlo simulations, stress testing, and sensitivity analysis; flagged positions that exceeded risk limits, prompting portfolio rebalancing</li><li>Streamlined data extraction, transformation, and analysis by automating risk reporting workflows in Python and Excel VBA; reduced monthly reporting cycle by 75%, enabling faster response to market volatility</li><li>Validated risk models through back-testing against historical data; detected systematic underestimation of portfolio risk during volatile markets that led to parameter adjustments and model assumption recalibration</li></ul> |
| Apr 2022 – Aug 2022<br>Moncton, NB | <b>TD Bank</b>   <i>Finance Operations Intern</i> <ul style="list-style-type: none"><li>Built and maintained financial data pipelines using SQL, Python, and Excel VBA across business units representing \$500M+ in annual revenue; designed automated validation frameworks that eliminated manual data verification</li><li>Prepared 15+ quarterly financial statements (P&amp;L, cash flow, MD&amp;A) for executive decision-making; streamlined consolidation process by standardizing data templates across 8 business units</li></ul>                                                                                                                                                                                                                                                                               |
| Sep 2022 – Apr 2024<br>Halifax, NS | <b>Dalhousie University</b>   <i>Teaching Assistant &amp; Academic Mentor</i> <ul style="list-style-type: none"><li>Led review sessions, graded assignments, and held office hours for 250+ students across four economics courses</li><li>Provided one-on-one tutoring for students in mathematics and statistics courses at the Student Success Center</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## RESEARCH EXPERIENCE

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| Sep 2023 – Apr 2024<br>Halifax, NS | <b>Dalhousie University</b>   <i>Undergraduate Honours Thesis (Supervisor: Dr. Christos Ntantamis)</i><br><b>Title:</b> <i>Shifting Macroeconomic Tides: Investigating the Impact of Interest Rate Uncertainty on the Canadian Economy</i> <ul style="list-style-type: none"><li>Built Python pipeline to process 15,000+ daily T-bill return observations and developed novel market-based uncertainty metric from return volatility, addressing limitations of survey-based and keyword-frequency proxies</li><li>Implemented six VAR-X econometric models in Gretl and R to quantify the impact of interest rate uncertainty on key macroeconomic variables; found statistically significant negative effects on GDP and investment</li></ul> |
| Sep 2022 – Nov 2023<br>Halifax, NS | <b>Bank of Canada Governor's Challenge</b>   <i>Team Lead (Supervisor: Dr. James McNeil)</i> <ul style="list-style-type: none"><li>Led team to runner-up finish in national economics competition; developed 24-month VAR(2) model analyzing CPI decomposition, labor market trends, and inflation expectations to assess monetary policy transmission mechanisms</li><li>Designed risk scenarios integrating household debt stress and energy shocks; synthesized forecasts with Bloomberg Terminal and Statistics Canada data and presented policy recommendations to panel of Bank of Canada economists</li></ul>                                                                                                                             |

## LEADERSHIP EXPERIENCE

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| May 2023 – Present<br>Online | <b>Albanian Trailblazers</b>   <i>Founder &amp; President</i> <ul style="list-style-type: none"><li>Founded youth-led NGO connecting Albanian students globally; scaled organization to 30+ mentors and 90+ mentees in 20+ countries through mentorship programs, professional workshops, and networking events</li><li>Currently developing <i>Qemal</i>, one of the first Albanian-language RAG LLM chatbots (Python, LangChain, Chroma DB) to democratize access to educational guidance for Albanian students from low-income backgrounds</li></ul> |
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## TECHNICAL SKILLS & ADDITIONAL INFORMATION

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| <b>Programming:</b>          | Python (NumPy, Pandas, Matplotlib, Scikit-learn, LangChain), SQL, R, MATLAB, Julia, Stata, VBA, Gretl, LaTeX                                                                                                                |
| <b>Software &amp; Tools:</b> | Git/GitHub, Bloomberg Terminal, Jupyter, Power BI, Excel, Neovim                                                                                                                                                            |
| <b>Certifications:</b>       | Machine Learning Specialization (Stanford), Algorithms Specialization (Stanford), MITx 6.00.1x: Introduction to Computer Science and Programming Using Python (MIT), FinTech & Financial Innovation Certificate (Dalhousie) |
| <b>Languages:</b>            | Albanian (Native), English (Fluent), French (Intermediate)                                                                                                                                                                  |
| <b>Interests:</b>            | Football, Racing (Gran Turismo 7, Formula 1), Mixed Martial Arts, Travel (21 countries)                                                                                                                                     |