

Tristan Beley

(647) 802-0510 | tristanbeley@gmail.com | [linkedin.com/in/tristanbeley](https://www.linkedin.com/in/tristanbeley) | github.com/tristanbeley92

EDUCATION

Western University

London, ON

Bachelor of Engineering Science - Software Engineering — GPA: 3.7

Sep. 2023 – Apr. 2027 (Expected)

- **Relevant Coursework:** Algorithms and Data Structures, Scripting and Programming, Software Design, Software Construction, 2257 Accounting and Business Analysis, Digital Logic Systems, Discrete Math and Logic Systems

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, SQL, C, C#, JavaScript, HTML/CSS || *Learning : Swift, Kotlin*

Frameworks/Libraries: Flask, React.js, Node.js, JavaFX, JDBC, NumPy, SciPy, Pandas

Tools & Platforms: Git/GitHub, MySQL, AWS, VS Code, XCode (Learning), JetBrains IDEs, Unity, Figma,

PROJECTS

Stock Insight Advisor | *Python, Flask, yFinance, Pandas*

Aug. 2025 – Present

- Engineered a Flask web application that integrates the **yfinance API** to fetch real-time stock market data.
- Implemented data processing and numerical workflows with **Pandas and NumPy** to calculate moving averages, price trends, and volatility measures for individual stocks.
- Developed clear interactive data visualizations to monitor performance and generate watchlists for future tracking.

TuneBuilder Smart Playlist Generator | *Python, Flask, Spotify API, OpenAI*

Apr. 2025 – Sep. 2025

- Developed a **microservice-oriented** Flask application with a focus on clean, maintainable code and modular design, integrating the **Spotify Web API** for unique playlist creation and user account management.
- Leveraged **OpenAI** embeddings to implement clean user flow and **mood + context aware music recommendation**, extending functionality beyond primitive rule-based filtering
- Designed application with a focus on usability with a clean UI for adding tracks to playlist in real time, ensuring a seamless user experience between login, browse, and playlist assembly.

Escape From Polyland - 3D RPG Game | *Unity, C#*

Jan. 2025 – May 2025

- Collaborated with a team of 5 to design and build a third-person RPG with progressive levels, player progression, and immersive boss fights, contributing **120+ hours** across unique level planning, coding, and playtesting
- Implemented **AI-driven** enemy systems and reusable C# scripts using OOP and optimization techniques, while coordinating roles in game design, mechanics, and robust testing to ensure engaging, fun gameplay.

WORK EXPERIENCE

Member Services Attendant

Gormley, ON

Meadowbrook Golf & Country Club

Apr. 2023 – Sep. 2025

- Coordinated with a team of 4+ in a fast-paced client-forward environment, streamlining daily operations to ensure seamless service for 500+ members and guests.
- Identified and resolved operational bottlenecks under tight deadlines, leading to a **15% increase** in member satisfaction based on annual survey results.

Assistant Project Manager

Burlington, ON

Konstrukt21

Apr. 2024 – Aug. 2025

- Collaborated with a cross-functional project team to successfully manage and deliver 6+ client requests valued at **100K+**. Leveraged Excel-based tracking tools to monitor progress, allocate resources, and ensure milestones were met on schedule. Strengthened communication skills by explaining technical solutions to non-technical teams

VOLUNTEERING & CLUBS

Volunteering: Co-Founder — Operation Home For the Holidays

Launched an initiative delivering **25+ care packages** with food, water, and blankets to less fortunate individuals in Toronto and London, reinforcing commitment to accessibility and community impact.

Clubs:

- Western Investment Club (WIC) - Researcher (Consumer Retail Group): Conducted equity research
- Western Developers Society - Portfolio Team Applicant (Interviewing)