

Tristan Beley

(647) 802-0510 | tristanbeley@gmail.com | linkedin.com/in/tristanbeley | github.com/tristanbeley92

EDUCATION

Western University

London, ON

Bachelor of Engineering Science - Software Engineering

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

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C#, SQL, JavaScript, HTML/CSS

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

Tools & Platforms: Git, AWS, VS Code, Visual Studio, JetBrains IDEs, Unity, Microsoft Excel, Figma, MySQL

PROJECTS

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

Aug. 2025 – Present

- Built a Flask web application that integrates the **yfinance API** to fetch real-time stock market data.
- Implemented data analysis workflows with **Pandas and NumPy** to calculate moving averages, price trends, and volatility measures for individual stocks.
- Creating interactive data visualizations to help evaluate 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 integrating the **Spotify Web API** for unique playlist creation and user account management.
- Leveraged **OpenAI** embeddings to implement mood and **context aware music recommendation**, extending functionality beyond primitive rule-based filtering
- Designed application flow for adding tracks to playlist in real time, ensuring a seamless experience between login, browse, and playlist assembly.

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

Jan. 2025 – May 2025

- Built a third-person RPG with progressive levels and a player progression system, balancing difficulty with engaging gameplay. Implemented Unique levels, Immersive Boss Fights, and **AI enemy systems**.
- Applied OOP principles (**inheritance, encapsulation, modular design**) to develop clean, reusable scripts for character enemies and weapons. Invested 2 months of planning and 120+ hours of development and playtesting.

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 project team of 3 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.

VOLUNTEERING & CLUBS

Volunteering: Operation Home For the Holidays

Co-founded an initiative that packs and distributes care packages with food, water, and blankets to support less fortunate individuals in downtown Toronto and London during the holiday season.

Clubs:

- Western Investment Club - Researcher — Consumer Retail Group
- Western Developers Society - Portfolio Team