

Tristan Beley

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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, Database Management Systems, Software Project Processes, Software Design & Construction, Operating System Protocols & Architecture, Probability & Statistics
- **Availability:** May 2026 - August 2026

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C++, C, TypeScript, C#, JavaScript, Kotlin, HTML/CSS

Frameworks/Libraries: React.js, TensorFlow.js, Node.js, Flask, Vue.js, Pandas, NumPy, SciPy

Tools & Platforms: AWS (EC2, S3), MATLAB, Git/GitHub, OAuth, REST APIs, CI/CD, OOP,

WORK EXPERIENCE

Game Development Consultant Intern

(Remote) Stockholm, Sweden

Lawyal Tech | JavaScript, React

Oct. 2025 – Present

- Supporting frontend development for Lawyal's Midnight Lantern Project, building scalable and distributed UI components with JavaScript and React.js to **improve site performance and user engagement by 30%**.
- Conducting technical and market research on indie game studios worldwide, **directly onboarding 10+ indie developers and studios** to Lawyal's global game directory, enhancing data scalability and partner engagement.
- Gaining hands-on experience with **agile workflows** and **global product coordination** across distributed teams.

Chief Technology Officer (CTO)

(Remote) Greenwich, CT, USA

RoleColorFinder | Kotlin, Java

Sep. 2025 – Present

- Promoted to CTO to lead product, engineering, and design teams building scalable features for RoleColorFinder's leadership diagnostic platform, optimizing data flow and **improving app responsiveness by 25%**.
- Lead **sprint task assignment, feature integration, and architecture planning** with a focus on writing clean, testable code aligned with **OOP design principles**, improving app stability and reducing sprint revisions by **40%**.
- Gained exposure to **CI/CD pipelines and DevOps techniques** through consistent production code delivery.

PROJECTS

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

Apr. 2025 – Sep. 2025

- Developed a cloud-hosted Flask web app integrating the **Spotify OAuth + REST API endpoints** for unique playlist creation and account management, optimizing backend routing to **cut redundant API calls by 40%**.
- Experimented with **OpenAI ML embeddings** and data structures to implement clean user flow and **mood + context-aware music recommendation**, increasing track diversity by 25% compared to rule-based filters.
- Built a clean UI with reusable components, improving usability and saving **50+ hours** across user tests.

Open Camera Lab - Real-Time Face Detection UI | TypeScript, TensorFlow.js, React

Sep. 2025 – Sep. 2025

- Built and deployed a distributed app using AWS infrastructure, integrating **face-api.js + TensorFlow.js APIs** for multi-face detection, real-time overlays, and a **dynamic emotion hub that surfaces live recognition data**.
- Designed end-to-end backend architecture following **clean-code principles**, **improving code maintainability by 30%** and enhancing overall user experience through clearer navigation flows and responsive controls.
- Optimized asynchronous event loops to synchronize webcam input, achieving **smooth rendering at 30+ FPS**.

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

Jan. 2025 – May 2025

- Collaborated with a team of 5 over 4 months to engineer a third-person RPG, applying the Software Development Life Cycle (SDLC) **through structured design, sprint-based planning, and iterative code reviews**.
- Implemented **AI-driven enemy systems** using state-based logic to control combat, patrol, and chase states **improving responsiveness by 20%**, sustaining 60 FPS across levels and **reducing scene load times by 30%**.

VOLUNTEERING & CLUBS

Volunteering: Co-Founder — Operation Home For the Holidays

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

Clubs:

- Western Developers Society - Portfolio Team Assistant (Frontend Focus)
- Western Investment Club (WIC) - Researcher (Consumer Retail Group): Conducted equity research