

Yanting (Clara) Fan

Toronto, ON | Email | Phone | LinkedIn | GitHub | Portfolio

Education

University of Toronto, St. George Campus

Sep. 2023 – Jun. 2027

Bachelor of Science, Double Major in Computer Science and Statistics

Toronto, ON

- Dean's List Scholar for 2024 & 2025 academic years
- Relevant Coursework: OOP; Software Design & Systems; Intro to Artificial Intelligence & Machine Learning; Data Structure; Method of Data Analysis; Intro to Databases; Probability I & II

Technical Projects

Beats in Stats

Apr. 2026

Full-Stack Data Visualization Platform

(GitHub)

- Collected and integrated data from **Spotify and Ticketmaster APIs** to align music demand and live event supply across cities, constructing a unified multi-source dataset for downstream analysis and visualization.
- Developed an **interactive web-based dashboard** using **D3.js and React**, enabling users to explore city-level patterns through dynamic visualizations, coordinated views, and responsive user interactions.
- Designed and implemented **data processing workflows in Python** to clean, aggregate, and structure multi-source datasets, supporting efficient data transformation and consistent visualization outputs.

Beamer+

Dec. 2025 – Present

Interactive Web-based Presenting Platform

(GitHub)

- Designed and implemented a real-time data processing pipeline using **Python and JavaScript**, building backend workflows and tools to automate data collection and real-time updates while maintaining clean, modular code.
- Designed and refined **user interface layouts and interaction flows**, improving usability, navigation, and user flow while iteratively incorporating feedback and basic usability testing insights.
- Built **automated data aggregation workflows** and developed **synchronized multi-user data systems**, ensuring real-time outputs, maintaining consistency across users, and supporting multi-user infrastructure operations.

Internship Experience

Product Manager Intern

May – Aug. 2025

OPPO

Shenzhen, China

- Drove data-informed product optimizations across Southeast Asian markets by implementing user interface improvements and growth experiments, increasing storefront click-through rates by **20%**.
- Designed A/B testing strategies for storefront traffic and promotions, coordinating cross-functional teams.
- Led payment channel optimization across six regional markets by evaluating third-party integrations and launching new payment options, reducing transaction processing fees by **15%** in the first month post-launch.

Data Analyst Intern

May – Jul. 2024

Peking University Shenzhen Hospital

Shenzhen, China

- Built **automated ETL pipelines** in **Python** and **R** to clean, transform, and integrate **2,000+** clinical records weekly, automating repetitive data workflows and improving efficiency, scalability, and reliability of clinical systems.
- Queried and structured patient data using **SQL** to generate **analysis-ready datasets** for clinical research studies, enabling comparison across **10+** patient groups and supporting cohort-based analysis.
- Performed **data validation and quality checks** to ensure accuracy and consistency across datasets, supporting reliable downstream analysis, reporting, and data-driven research decision-making.

Leadership Experience

Peer Mentor, STA130 (Introduction to Statistics)

Sep. 2025 – Present

University of Toronto

Toronto, ON

- Provided 1-on-1 mentorship to students, explaining technical concepts to non-technical audiences and supporting collaborative problem-solving.
- Collaborated with a team to organize events and guide students in navigating academic resources.

Skills

- **Programming Languages:** Python, Java, JavaScript, R
- **Scripting & Automation:** Python scripting, workflow automation, data pipelines, backend tooling
- **Web & Systems:** HTML, CSS, JavaScript, responsive design, cross-browser compatibility
- **Tools & Infrastructure:** SQL, PostgreSQL, Git, version control workflows, Slack, VS Code, PyCharm