# Kalan D'Souza

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## EDUCATION

**TRENT UNIVERSITY**                                                    Sept 2022 - April 2026

BSc IN COMPUTER SCIENCE HONOURS with a specialization in Data Science                    Peterborough, ON

Relevant Coursework: Data Structures & Algorithms, Programming for Computer Science, Web Development, Data Science.

## SKILLS

**LANGUAGES**   JavaScript, SQL, TypeScript, HTML, CSS, C#, Python, Java

**TOOLS/FRAMEWORKS**   Microsoft Office, Git, Angular, Tailwind CSS, Node.js, Express.js, VS Code

## EXPERIENCE

**CODE NINJAS**                                                         June 2024 - Sept 2024

SOFTWARE PROGRAMMING INSTRUCTOR                                              Markham, ON

- Led coding workshops, teaching fundamental programming concepts through platforms like Scratch, and JavaScript.
- Debugged student projects and taught core coding principles, enabling students to grasp basic data structures and algorithms.
- Monitored and assessed student progress, providing personalized feedback to support both their technical growth and professional development.

**LOREX TECHNOLOGY INC**                                                June 2023 - Sept 2023

INFORMATION TECHNOLOGY INTERN                                               Markham, ON

**IT Operations**

- Designed and implemented an automated resource request system using Microsoft Forms, SharePoint, and Power Automate, streamlining the resource request process and reducing response times by automating approval workflows.
- Developed an automated on/offboarding system that cut process time by **50%** and enhanced organizational efficiency through seamless employee transitions.
- Created an information-sharing platform to foster communication between Lorex and parent company, Skywatch, streamlining the evaluation of business opportunities and providing a centralized platform for product management teams.

**Software Development Operations**

- Developed and integrated the front-end of the KPI (Key Performance Indicator) process into Lorex's Cloud Management System using **Angular**, **Node.js**, **TypeScript**, **HTML**, **CSS** and **VS Code**.
- Centralized KPI access and submissions, facilitating efficient managerial actions and streamlining HR's performance tracking.
- Reduced administrative workload and optimized communication by significantly cutting down on email exchanges, enhancing the overall performance evaluation process.

**LOREX TECHNOLOGY INC**                                                June 2022 - Sept 2022

PRODUCT MANAGEMENT INTERN                                                   Markham, ON

- Conducted in-depth **UX testing** for Lorex and competitor products, executed mobile app test plans, and provided actionable feedback, enhancing user experience for millions of users.
- Created Excel catalogues for **25** Lorex products, enhancing specification accessibility and reducing product comparison time by **80%**.
- Documented and presented feedback on packaging, design, unboxing, onboarding, and in-app experiences for product improvements using PowerPoint.

## PROJECTS

**WEB SHOP│** github.com/KalanDSouza/Web-shop

- Developed a full-stack web store with payment and shipping processing using **Angular, TypeScript, Node.js, Express.js, HTML** and **CSS**. Integrated Stripe and fake store API. Utilized Angular's Mat Module Component Library and Tailwind.

**PERSONAL WEBSITE│** kalandsouza.github.io/Portfolio

- Web application highlighting my experiences, projects, and fun facts about myself using **HTML, CSS** and **JavaScript**.