

Lubna Al Rifaie

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EDUCATION

Wilfrid Laurier University - *Honours Bachelor of Science, Computer Science*

April 2026

Big Data Systems Concentration, Minor in Mathematics

Waterloo, ON

- Relevant Coursework: Algorithm Design/Analysis, Excel VBA Programming, Data Mining

TECHNICAL SKILLS

- **Programming:** Python, Java, JavaScript, SQL
- **Tools:** Excel VBA, Power Query, Power Pivot, Tableau, Git, Docker, AWS RDS
- **Frameworks:** Django, React.js, Next.js, Node.js, Prisma, TailwindCSS, Supabase
- **Concepts/Methodologies:** Process Automation, Data Analytics, Agile, Scrum

WORK EXPERIENCE

Wilfrid Laurier University

Sep 2021– April 2023

Instructional Assistant - Python, Data Structures

Waterloo, ON

- Delivered lab instruction to over 300 students per term, achieving high student satisfaction scores by providing clear guidance and timely feedback on assignments.
- Graded and returned 300+ assignments weekly within strict deadlines, maintaining 100% on-time delivery while balancing full-time studies.
- Supported academic success for 100+ students by clarifying complex data structures and algorithms during lab sessions and office hours.

Code Ninjas

May 2022–August 2022

Coding Instructor - Python, Java

Waterloo, ON

- Facilitated student learning in **Python and Java** through personalized one-on-one coding sessions, demonstrating **adaptability** by tailoring instruction to individual learning needs.
- Played a pivotal role in curriculum growth, **creating engaging coding challenges and exercises** that fostered student engagement and skill development. Attained proficiency in conveying coding concepts to beginners.
- **Garnered 80 %+ course results** and positive feedback from students and parents for exceptional teaching and communication skills, fostering a positive learning environment.

PROJECTS

TraceBuff — *SQL, Golang, React Native*

May 2024–August 2024

- Volunteer startup project involving developing custom material management systems for real-world corporations in the Kitchener, Waterloo, Cambridge area Integrated barcoding scanning traceability application into SAP 4/HANA backend systems

Linktree Clone — *JavaScript, ReactJS, NextJS, TailwindCSS, Supabase*

- Developed a **full-stack web application** that automatically generated unique creator pages for each user based on their username, showcasing their curated links and personalized profile information.
- **Implemented user authentication** using Supabase's authentication system, allowing users to create accounts, log in securely, and manage their profiles.
- Designed and set up a Supabase database to store user-generated links and their associated metadata, with features for adding new links and retrieving and styling them for user profile pages.

NestHR — *SQL, Python, Django, AWS RDS*

- Conceptualized, designed, and executed a cutting-edge web-based Employee Management System focusing on two integral components: Employee Payroll Management and Employee Performance Management.
- Implemented secure **back-end authentication logic** utilizing best practices to ensure data security and privacy.
- Collaborated with a team to design and develop a **robust SQL database** utilizing **AWS RDS and Prisma**.