# Lucas Terra

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## Work Experience

### Building Tech
Apr. 2025 – Jul. 2025

*Software Developer – Contract*
*Ottawa, Canada*

- Developed and maintained services using JavaScript and PostgreSQL, ensuring reliable data storage and retrieval.
- Built REST APIs with JSON objects to enable efficient communication between systems and services.
- Collaborated with team members to integrate networking components with the backend, ensuring smooth data flow across systems.

### First Peoples Innovation Centre
Jan. 2024 – Apr. 2024

*Full Stack Developer – Co-op*
*Gatineau, Canada*

- Programmed an educational game using Python and BBC micro:bit devices, integrating hardware programming concepts to teach First Nation youth.
- Implemented a JavaScript-based web platform that enabled teachers and students to customize game logic and behavior, enhancing engagement and interactivity.
- Utilized Git for version control and collaborated in an Agile environment to meet project goals on schedule.

### Winners - TJX
Oct. 2024 – Jul. 2025

*Sales Associate – Part-Time*
*Ottawa, Canada*

- Trained new associates on store systems and workflows, demonstrating ability to explain technical processes clearly.
- Managed POS systems and inventory tools, gaining hands-on experience with technical systems and data entry.

## Education

### Algonquin College
Sep. 2022 – Apr. 2024

*Ontario College Diploma – Computer Programming*
*Ottawa, Canada*

## Skills, Technologies & Interests

- **Languages:** Java, Python, SQL, HTML, CSS, JavaScript, COBOL, Bash.
- **Database:** MySQL, PostgreSQL, MongoDB, Oracle, Microsoft SQL Server, Neo4j.
- **Technologies & Tools:** Git/GitHub, VMware, PowerShell, Wireshark, Jira, VSCode, Visual Studio, Eclipse, IntelliJ, NetBeans, Android Studio.
- **Networking & Systems:** TCP/IP Protocols, Linux/Unix system administration, Windows Server, Client/Server Programming.
- **Development Practices:** Object-Oriented Programming (OOP), REST APIs, Agile & Scrum Methodology, Design Patterns, UML, ERDs, Technical Documentation (API docs).

- **Soft Skills:** Collaboration, Problem-solving, Leadership, Adaptability, Time Management, Attention to Detail.
- **Spoken Languages:** English, Portuguese, Spanish
- **Interests:** Movies, Card Games, Soccer, 3D Printing, Cooking.