

# Hugo Prado Serafim Pereira

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## ABOUT ME

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A **Computer Science student** passionate about building innovative software solutions, with a strong foundation in programming and problem-solving. Currently seeking an **internship** or a **junior developer role** to apply my skills, contribute to impactful projects, and gain hands-on experience in the tech industry.

## EDUCATION

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- **University of Guelph** Guelph, ON, Canada  
*Bachelor of Science in Computer Science (Expected Graduation: 2027)*

## PERSONAL PROJECTS

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- **Brazilian Food Store Template:** Developed a responsive web template for a Brazilian food store using **React** and **Next.js**.
- **AI Learning Homelab:** Set up and deployed the **Gemma3:12b** AI model on a homelab environment using **Traefik**, **Docker**, and **SQLite** for backend management.
- **Personal Website:** Built a portfolio website to showcase projects, skills, and experience using **Vite**, **TypeScript**, **React**, and **Tailwind CSS**.

All projects are hosted on my homelab using Docker and Traefik for reverse proxy management. Live links are available on my personal website at [hub.hugoprado.dev](https://hub.hugoprado.dev)

## TECHNICAL SKILLS

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- **Programming Languages:** C, Java, JavaScript, Python, HTML, CSS, TypeScript
- **Frameworks and Libraries:** React, Next.js, Node.js, Express.js
- **Databases:** SQLite, SQL, MongoDB
- **Tools and Technologies:** Docker, JSON, YAML, Gradle, Traefik, Postman, GitHub Actions, Git, GitHub

## RELEVANT COURSEWORK

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- **CIS\*3750 - System Analysis and Design in Applications:** Gained experience designing and analyzing software systems with a focus on real-world applications.
- **CIS\*3490 - Analysis and Design of Computer Algorithms:** Studied algorithm efficiency, complexity analysis, and optimization techniques.
- **CIS\*2750 - Software System Development and Integration:** Learned to design and integrate software systems, emphasizing teamwork and project management.
- **CIS\*2520 - Data Structures:** Explored data structures like linked lists, trees, and graphs, and their applications in software development.

## PREVIOUS WORK AND VOLUNTEER EXPERIENCE

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- **Tutor (Volunteer)** Winnipeg, MB, Canada  
*Grant Park High School*
  - Volunteered as a tutor for exchange students, helping them succeed academically while completing over 50 hours of service.
- **Food Services Team Member** Winnipeg, MB, Canada  
*Assiniboine Park Zoo*
  - Collaborated with team members to deliver exceptional service in a fast-paced environment.