

Cesar Augusto Vargas Santini | Junior Software Developer

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SUMMARY OF QUALIFICATIONS

- Experienced in developing full-stack, cloud-based, and AI-powered web applications.
- AI-focused computer engineer skilled in Python, C/C++, and data-driven development.
- Strong analytical, problem-solving, and teamwork skills shown through multiple technical projects.

EDUCATION

University of Toronto, Electrical and computer engineering
B. A. Sc. In Computer Engineering

Toronto On.
Expected: Oct. 31, 2025

TECHNICAL SKILLS

Programming Languages: Python, C/C++, SQL (MySQL, PostgreSQL), MATLAB

AI / Data Tools: Scikit-learn, NumPy, Power BI, PyTorch, TensorFlow

Web & Cloud Technologies: Flask, Bootstrap, Jinja2, Render, Gunicorn, IBM Cloudant

Hardware/ Operating Systems: Arduino, Atmel, Raspberry Pi, Linux, Unix, Windows

PROJECT EXPERIENCE

Cesar AI — Interactive Portfolio Assistant | *Flask, Bootstrap, Llama 3.1, Replicate API*

- Built an AI-powered portfolio web app that answers visitor questions using custom contextual data.
- Deployed on Render with Gunicorn for scalability and production stability. [Live Demo](#) | [GitHub](#)

Multi-User Chat Server with Berkeley Sockets | *C/C++, MySQL*

- Designed a multi-threaded chat server and client supporting multiple chat rooms in real time.
- Used MySQL for client authentication and data storage. [GitHub](#)

A Cloudant REST API (To-Do List App) | *Flask, Bootstrap, Cloudant NoSQL*

- Created a CRUD web app with RESTful APIs and dynamic web pages using Jinja2 templates.
- Deployed on Render for production use. [Live Demo](#) | [GitHub](#)

Power BI Dashboard | *Power BI, Data Visualization*

- Built a data visualization dashboard for a transportation company's sales performance. [GitHub](#)

Barcode Inventory Management System | *C++, Qt Framework*

- Developed an inventory management tool with barcode scanning and database integration. [GitHub](#)

WORKING EXPERIENCE

City Ai

May – Present

A.I. Software Engineer

- Designing and implementing an autonomous research system that crawls the web to identify emerging problems, inefficiencies, and business opportunities.

Andrew Peller, The Wine Shop

Jun 2022 – Jan 2023

Sales Representative

- Delivered personalized customer service, managed daily sales operations, and met monthly revenue goals.
- Independently developed a prototype barcode-based inventory management system using C++ and Qt to improve stock visibility and reduce manual record-keeping (personal initiative project, not deployed).