Rodolfo Gil Pereira

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EDUCATION

University of Calgary — Calgary, AB
Bachelor of Science in Engineering - Software Engineering, GPA: 3.425 — *Expected Grad: 2027(With Internship)*

EXPERIENCE

Website Developer — Jan. 2025 – Present
Paws United Rescue Society Club — *Calgary, AB*
- Worked in a team in updating, maintain, and expanding club website functionality using Webflow
- Using strong communication with club executives, planned and implemented new website features efficiently

Tool Rental Associate — April 2023 – Aug. 2024
The Home Depot — *Calgary, AB*
- Worked collaboratively with team members to ensure an organized and efficient rental department, reducing customer wait times by 15%.
- Applied strong communication and interpersonal skills to assist customers, enhancing satisfaction and contributing to a 20% sales increase.
- Managed rental department during closing time, ensuring 100% tools were accounted for, workspaces were organized, and equipment was secured.

PROJECTS

Movie Theater Application Server | *Java, Spring, MySQL* — Sept. 2024 – Dec. 2024
- Worked in a team, where I designed and developed a MySQL DB and Spring Boot server REST API for features like movie info, user authentication, ticket booking, and payment
- Planned meetings, wrote technical and non-technical documentation throughout development life cycle, culminating in project completion 1 week ahead of schedule

Disaster Victim Management Application | *QA, Java, PostgreSQL* — Jan. 2024 – Apr. 2024
- Developed Java app with PostgreSQL integration to aid disaster response, streamlining supply management and victim-family connections
- Implemented and tested application features using JUnit, ensuring software quality standards

Shopping Website Server | *Python, Flask, Backend* — Jan.2024 – Apr. 2024
- Developed a server with Python Flask to manage product data and user authentication for login and registration processes
- Designed and optimized REST APIs for frontend-to-server communication, increasing request processing speed by 15%

Shopping Website | *Fullstack, React, JS, HTML, CSS* — Jan. 2024 – Apr. 2024
- Developed React-based shopping site with product catalog, shopping cart, and smooth navigation for enhanced user experience.

Airline Flight Management App | *C++* — Nov. 2023 – Dec. 2023
- Developed a robust flight management system in C++ to streamline operations, allowing users to efficiently search, book, and manage flights.
- Optimized memory management, removing 100% of memory leaks and improving application performance

Mini Arcade Machine | *C++, Circuit Design, Embedded Systems* — Nov. 2023 – Dec. 2023
- Worked with a team to make a portable arcade machine powered by Arduino, integrating game in C++ called "Cuttle fish Run" to deliver an engaging gaming experience
- Optimized circuit layout and game algorithms, reducing projected power consumption by 20%

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML, CSS, Bash
Frameworks & Developer Tools: Flask, JUnit, Spring, React, Vite, Git, Linux VM
Hardware: Arduino, PIC, Embedded Systems, MPLAB IDE