Dayna Dranitsaris

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Professional Summary

Computer engineering undergraduate at a top Canadian university with a strong foundation in designing, developing, and testing software and hardware systems. Eager to leverage hands-on project experience in embedded systems, machine learning, and web development to contribute to innovative solutions in a dynamic technology role.

Education

Queen's University Kingston, ON

Bachelor of Applied Science, Computer Engineering *Sept 2023 – Apr 2027*

- **Relevant coursework:** Introduction to Data Science, Fundamentals of Info Structure, Object Oriented Programming, Computer Architecture, Digital Systems, Electronics I, Electric Circuits
- **Awards:** Ruddell-Albert Award **($60,000)** - Academic Excellence, 2023
- Frosh Regulation Enforcement Committee (FREC), **Queen's Engineering Society**
- General Member, **Queen's Racing Formula SAE Team**
- Challenge Coordinator, **Queen's Engineering Competition**

Experience

Operations Assistant Toronto, Ontario

Royal LePage Signature Realty *May 2025 — Aug 2025*

- Helped **run open houses** and **prepare properties** for showings
- Managed **marketing materials** and **social media presence**
- Built a **professional website** using **IDX**, **HTML**, **CSS**, **JavaScript**, and responsive design principles
- Ensured all marketing content was compliant with **brokerage** and **real estate board regulations**
- Tracked and analyzed website traffic using **Google Analytics** to provide insights for improving the marketing strategy

Cafe Assistant Toronto, Ontario

Rahier Patisserie *Sep 2022 — Jan 2024*

- Provided excellent **customer service** in **fast-paced** environment, effectively communicating with **diverse clientele**
- Collaborated with team members to ensure **smooth operations** and **high-quality service**
- Maintained a **clean and organized work environment** to comply with **health and safety standards**

Projects

Hydroponic Garden Monitor | *React, React Native, JSON, HTTP, Node.js (npm), Expo Go, JavaScript, IoT* *Sep 2024 – Dec 2024*

- Developed a **sensor-integrated** hydroponic garden for campus use using an **Arduino**
- Featuring **real-time data** monitoring (sent over **WiFi**) including pH levels, temperature, and camera visuals to a **React Native mobile application**

charleneinthecity.ca | *Git, HTML, CSS, IDX, JavaScript, Google Analytics, Visual Studio Code* *May 2025 – Present*

- Developed a **dynamic** real estate **web application** integrating **IDX** listings and **Google Analytics** to track visitor engagement
- **Optimized** the site for **user engagement**, intuitive navigation, and **mobile responsiveness**

Queen's Hyperloop Machine Vision Sensor System | *YOLOv5, Raspberry Pi, Visual Studio Code, LabelImg* *Jan 2024 – Apr 2024*

- Designed and implemented an **embedded system** for a Hyperloop model
- **Custom-trained** a **machine learning model** to detect potential obstructions using **YOLOv5**

NHL Goal Horn Machine | *Raspberry Pi, API integration, RapidAPI, Realterm* *Jan 2025 – Apr 2025*

- Built a **Raspberry Pi system** leveraging live NHL updates via **Rapid API**
- Programmed **LED sequences**, audio playback, and an **LCD** showcasing team names and scores **dynamically**

Technical Skills

Languages: Python, Java, C, SQL, JavaScript, HTML, CSS, Verilog, Assembly (Nios II), VHDL

Libraries: NumPy, Matplotlib, Pandas, PyTorch (YOLOv5), scikit-learn, Bootstrap

Tools: React, React Native, Node.js (npm), Bash API integration (REST, JSON, HTTP), Git, Arduino, Raspberry Pi, SolidWorks, Visual Studio Code, CLion, PyCharm, Eclipse, NetBeans, Android Studio, Microsoft 365

Hardware/Embedded: FPGA development (Nios II), Sensor integration, Machine vision systems, IoT, LED/LCD interfacing, PCB soldering, KiCad, LTSpice

General: Electrical systems & circuit design, 3D printing & prototyping