

Dhruv Dhawan

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Objective

Dedicated and ambitious recently graduated **computer engineer** looking for a full-time job opportunity to learn the industry workings and contribute my existing skill sets to become a well-rounded computer/software engineer.

Education

COMPUTER ENGINEERING | MAY 2021 | YORK UNIVERSITY

Specialized Honours Bachelor of Engineering (Honours BEng)

- Related coursework: Computer Architecture, Digital Communications, Software Engineering Requirements, Digital Logic Design, Relational Databases, Networking.

Skills

- JavaScript, HTML, CSS, C, C++, Verilog, SQL, Shell, MATLAB, Java, Python

Projects

- Traffic Light System: Created a **traffic light controller** using an **FPGA**. Made **finite state machines**. The output of the system depends on the current state and the previous state of the machine. Tech used: **Verilog, Quartus II, Altera DE II board, Qsim**.
- Hospital Communication System: Developed a web application for an enhanced communication channel between nurses and physicians. Tech used: **React, Express SQL, Postman, figma, Node.js**.
- Weather App: Developed a **weather app** that provides user **current weather** details of the city requested, for cities with same name, country code can be specified. Tech used: **HTML, CSS, JS, figma**.

Leadership Experience

- President Electrical Engineering Club for Students (EECS) (Sept'17-Nov'18)
Organized meet and greets, workshops and tutorials for the club. Co-constructed a transmitter device to send signals for demonstration purposes, taught signals basics to first and second-year students.
- Orientation Leader for Lassonde School of Engineering (2017, 2018)
Organized meet and greet, team-building and networking events for successful transition of 350+ incoming students to the Lassonde School of Engineering. Showed students where to contact each department for any queries that they might have.
- Volunteer Researcher at the York University Observatory (Oct '17 – Jan '18)
Set up 60 cm telescope and collected data on pulsing stars for research. Utilized a sensitive charged-couple device (CCD) for collecting the data on the stars.
- Attended the EWB conference on sustainable development (Xchange) (Jan' 2019)
Attended and contributed to sustainable developmental ideas for a better future for the planet.