SAMARVEER **SANDHU**

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EDUCATION

Ryerson University
Computer Engineering (B. Eng.)
Expected Graduation: May 2023
Dean's Honors List.

Relevant Courses:

- Electric Networks ELE302
- Digital Systems COE328
- Algorithm/Data Structures COE428
- Microprocessor Systems COE538
- Database Systems CPS510

EXPERIENCE

Home Depot Canada May 2021 – Sep 2021
Tool Rental Associate

- Performed preventive maintenance on tools
- Processed 50+ tool rental transactions and logging them into the database
- Maintained a high level of knowledge of 25-30 different tools

Canada's Wonderland May 2019 – Aug 2019
Sales Associate

- Managed admission sales for different sectors
- Processed 100+ major transactions during each shift
- Handled 15-20 customer-service related problems per shift

Toronto Police Service May 2018 – Aug 2018
Fleet & Materials Management Technician

- Completed preventive maintenance on 5+ vehicles per day, including oil change, tire rotation, wheel balancing and filter replacement.
- Accurately stored details of all service jobs plus stock on file
- Gained extensive knowledge of mechanical troubleshooting

PROJECTS

Amplifier Design Project: (Multisim)
→ Designed and simulated single-supply multistage, inverting, and transistor amplifier

General-Purpose Processor: (Quartus)
→ Creation of a general-purpose processor with the help of three different Arithmetic and Logic Units (ALU).

Bookstore Application: (Java / NetBeans)
→ Simulated a bookstore application that had a responsive UI with the help of JavaFX

State Machine: (C / Command Line)
→ Creation of a state machine that stores data to memory. Data is managed through commands presented from stdin.

SKILLS

Programming
Java • JavaScript • C • C++ • Python • HTML • CSS • VHDL • Assembly • SQL

Software
Arduino • Linux/Unix • MultiSim • Quartus • OracleSQL • Git • JavaFX

CERTIFICATIONS

Registered through IEEE Computer Society:

- Unix
- Git/GitHub
- SQL
- Python