

COMPUTER ENGINEERING

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SKILLS SUMMARY

SOFTWARE

- C
- Java
- Python
- VHDL
- SQL
- PBASIC
- MATLAB
- Adobe Photoshop
- AutoCAD
- Microsoft Office Suite

HARDWARE

- Oscilloscope, Multi-meter, Function generator
- CPLD Chip
- Breadboard, Boe-bot
- Computer Hardware
- Arduino Uno

KEY COURSES

- Engineering Algorithms
- Data Structures
- Electronic Circuits
- Electric Networks
- Software Systems
- Digital Systems

EDUCATION

Ryerson University
B.Eng Computer Engineering
September 2017 – April 2021

SATEC @ W.A Porter C.I
Math, Science, Technology Enriched
OSSD Completed June 2017

INTERESTS

- Staying up to date with current and innovative technology
- Basketball Enthusiast
- Fitness
- Video Games

WRICHIEK KAR

WORK-EXPERIENCE

May 2018 – Present

Bell Technical Solutions | Technician

- Installation, maintenance, and repair of fiber-based and copper-based telecommunications equipment, products and services
- Troubleshoot complex telecommunications products and systems using EXFO Power Meter, digital multi-meter and proprietary software.
- Provide an exceptional customer experience for various clientele such as businesses and homeowners.

September 2018 - Present

Ryerson University | Engineering Student Ambassador

- Represent Ryerson Engineering at various recruitment events with over 1000 prospective students
- Participate in on- and off-campus recruitment events, tour guide and presenter at events such as the Ontario University, and Ryerson Engineering Open House

August 2016 - September 2017

Walmart | Cashier, Self-Checkout Attendant

- Demonstrated ability to persuade and sign up customers for the Walmart Rewards Mastercard
- Troubleshoot new machines to maintain adequate customer flow in a timely manner
- Responsible for balancing POS systems at the end of the day
- Exceed standards of customer service experience by maintaining a friendly and customer focused approach

EXTRA-CURRICULAR

September 2018 – Present

Ryerson Formula Racing, Hardware Engineer

- Research and source most suitable parts for the microprocessors considering efficiency, price and simplicity
- Work alongside multiple sub teams to ensure product efficiency and optimize performance

January 2018 – April 2018

Awards and Excellence Committee, Ryerson University

- Plan and host one of the most anticipated events of the year (Night of Recognition)
- Read and evaluated hundreds of applications to determine the perfect candidate for the award
- Heavily advertise form to maximize applications and ensure accuracy of awards
- Design awards and budget efficiently

PROJECTS

November 2018

Ryerson Engineering Competition, 3rd Place Winner

- Lead a team which incorporated a web application onto a website designed to help homeless people with suicide prevention. Used HTML, CSS and a Google chatbot API. The chatbot was tailored towards suicide prevention with custom responses by using common phrases as well as machine learning.

March 2017 – June 2017

Robotic Arm

- Created a custom robotic arm using an Arduino to control the movements, allowing it to move at 3 critical points (base, lever arm, and claw). Designed all parts on AutoCAD allowing the utilization of a 3D printer which led to lowered cost and reduced weight. Wired the servos to critical points and powered it using a voltage source.

ACCOMPLISHMENTS

- Ryerson Engineering Competition 3rd Place Programming Award
- Recipient of Engineering Academic Achievement Scholarship
- SATEC @ W.A Porter Honor Roll (maintain 80%+ average)

CERTIFICATIONS

- Standard First Aid & CPR Level C with AED Awareness
- WHMIS (Workplace Hazardous Materials Information System)
- EHS (Environment Health and Safety)
- CCNA1, CCNA2 (Cisco Certified Network Associate)