



NA

NEERAJ AHLUWALIA

ENGINEERING I | WWW.ENGINEERAJ.XYZ

HIGHLIGHTS

Enrolled in McMaster's Engineering Co-op program, planning on entering computer engineering in level 2.

Developed experience dealing with computer systems in real-life scenarios.

Skills in hardware, software, and various development tools.

Knowledge in various programming languages. Certified C# developer under Microsoft's Exam 70-483.

Experience with communicating with people from working with patients at Rheumatology Associates Brampton

WORK EXPERIENCE

COMPUTER REPAIR TECHNICIAN • RHEUMATOLOGY ASSOCIATES BRAMPTON • JULY 2 – PRESENT

Worked individually repairing computer systems. Ensuring that Windows servers operate at maximum efficiency. Replacing computer components to guarantee long life and speed.

Set up Cognizant MD electronic medical records platform designed to bring ease of use to the patient. Ensured that tablets remained up-to-date and free of issues.

EDUCATION

ENGINEERING • IN PROGRESS – EXPECTED COMPLETION APRIL 2023 • MCMASTER UNIVERSITY

HIGH SCHOOL • JUNE 25 2018 • MENTOR COLLEGE

Awards include: Music Award, Computer Sciences Award, General Science Award, Waterloo Physics Competition Certificate

Activities include: Tech A/V club, Model UN, Wrestling, School Band



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SKILLS

Hardware

Arduino
PIC Microcontrollers
Raspberry Pi
Operational Amplifiers
Computer Components

Software

HTML, CSS, JavaScript
Java
C#
Python
Visual Basic

Development Tools

Autodesk Inventor
Eagle
Blender
Fritzing
Linux Command Line

PERSONAL PROJECTS

3D Printer Project

- Researched 3D printers and existing designs
- Designed and constructed a 3D printer
- Soldered electronic components, programmed AVR with g-code interpreting software

3D Printed Guitar

- Researched guitar construction, contacted master guitar builders
- Modelled and 3D Printed a guitar body
- Assembled guitar with self-wound pickups and a wiring scheme of my own design

SHAD Project

- Attended a leadership program focused on exposing high school students to STEM activities
- Had to complete a major project designed to reduce a household's energy consumption
- Led a team to construct an appliance-specific power measuring device
- Won the local competition at Memorial University, proceeded to the international competition held in Toronto

Unity Development

- Designed and developed a 3D game coded in C#
- Game used networking protocols in order to play multiplayer locally on a server



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