

Pearl Natalia

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TECHNICAL SKILLS

Languages: C, Java, JavaScript, Python, HTML/CSS, PHP

Hardware: Microcontrollers, AR Headsets, Arduino, Makeblock, EV3

Developer Tools: MySQL, Android Studio, Bootstrap, Vercel, MakeCode, Git, VS Code, GitHub

EXPERIENCE

Chairwoman

May 2019 – Present

McMichael Canadian Art Collection - Volunteer Committee

Vaughan, ON

- **Increased team size by 46%** in one year through active recruitment and consistent advertising
- Directed volunteer roles for a committee of **150+ members** involved in auctions, galas, and art classes

Programming Instructor

June 2022 – Sept 2023

Code Ninjas

Vaughan, ON

- Instructed game development using JavaScript and Scratch to **90+ students** ages 4-14
- **Expanded junior program by 37%** by redesigning a children's programming curriculum for ages 4-7
- Conducted workshops and developed projects involving Arduino, Scratch, Makeblock, and Makecode

Logistics Executive

June 2021 – June 2022

YRHacks Hackathon

Richmond Hill, ON

- Planned events with sponsors (Cohere, AMD, IBM) for a district-wide hackathon of **350+ students**
- Negotiated and secured a **\$2500** Specialist High Skills Major sponsorship for the prize budget

Physiotherapy Intern


Sept 2021 – Feb 2022

MedRehab Group Physiotherapy


Vaughan, ON

- Enhanced functional abilities and patient satisfaction by independently performing physiotherapy treatments
- Tracked physical improvement by charting patient response to therapies and exercises

PROJECTS

BrainScape  | *JavaScript, HTML/CSS, Bootstrap, Vercel, GitHub (SheHacks - Hackathon Winner)* Jan 2023

- Built a **web platform** with course-specific study rooms and simulated environments to boost student productivity
- Created a login interface, chatbox, search bar for available rooms, and camera/microphone with **permissions**

Résuview  | *MySQL, HTML/CSS, PHP, Git*

Oct 2023 – Dec 2023

- Developed an **AR environment** for networking events, showcasing individuals' résumé alongside their face
- Built a full-stack platform with SQL database that sends **real-time user information** to the AR environment

AutoRithm  | *EV3, C, Ultrasonic Sensor, Light Sensor, PHP, Distance Matrix API, HTML/CSS*

Nov 2023

- Constructed an EV3 robot to detect food packages with sensors, **automating food assembly** for a nonprofit
- Designed a software system to match volunteers with nearby pick-up locations, streamlining food delivery times

SPAVE  | *Android Studio, Java, Bootstrap, PHP, HTML/CSS*

June 2022 – Aug 2022

- Developed and launched a budgeting app on **Google Play**, coupled with an accompanying website
- Programmed a coupon/notes page, fact generator, and tax/tip calculator to enhance user savings when shopping

EDUCATION

The University of Waterloo

Sept 2023 - Present

Bachelor of Software Engineering (BSE)

Waterloo, ON

- Sponsorship Director for Waterloo Women in Engineering
- Courses: Programming Principles (C), Data Abstraction (C++), Digital Circuits and Systems (VHDL), Linear Circuits, Methods of Software Engineering

AWARDS

Aspirations in Computing – Ontario Recipient

May 2023

National Center for Women and IT