An Educator, An Inventor, A Leader

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AWARDS

Schulich Leader Scholarship
University of Waterloo

Renes Descartes Scholarship
University of Waterloo

Governor General's Bronze Medal
Vincent Massey S.S.

SKILLS

Languages:
⇒ *Python*
⇒ *C*
⇒ *C#*
⇒ *C++*
⇒ *Java*
⇒ *JavaScript*
⇒ *LaTeX*
⇒ *HTML/CSS*

Frameworks:
⇒ *Node.js*
⇒ *Vue.js*
⇒ *Nuxt.js*
⇒ *Unity*
⇒ *Scikit-learn*
⇒ *AnyLogic Simulations*

Tools:
⇒ *Git*
⇒ *Cloudflare*
⇒ *Linux Administration*

Hardware:
⇒ *Raspberry Pi*
⇒ *Arduino*
⇒ *Vive / Oculus VR Headsets*
⇒ *Kinect 360 Sensors*
⇒ *LeapMotion*

EXPERIENCES

MasseyHacks V ~ Logistics Executive
⇒ Organized the logistics of the oldest high school hackathon
⇒ Responsibilities included scheduling, fundraising, and event day planning

CodeReach ~ Director & Senior Teacher
⇒ Taught elementary school students the basics of coding with Python
⇒ Planned and organized the overall logistics of the organization

US Patent Filed & Pending
⇒ Designed and developed a working prototype of a coverall which inflates into a chair to help lift fallen individuals
⇒ Filed a USPTO Patent on this invention

Massey CS Club ~ Senior Leader
⇒ Taught algorithmic design to the Grade 11 & 12 students to prepare them for computing contests.

Canadian Young Physicist's Tournament ~ Leader
⇒ Used programing with Matplotlib and Anylogic simulations to create models around real-world physics phenomena
⇒ Lead a team to develop solutions with in-depth analysis into aerodynamics, fluid dynamics, and magnetism

PROJECTS

AR-itus ~ MIT Reality Virtually
⇒ Using Augmented Reality with Vive passthrough and Leapmotion to help rehabilitate individuals with hand-eye coordination issues

Open Word VR
⇒ Uses an Xbox 360 Kinect and Windows Mixed Reality VR to give players an immersive experience. Upper Body Movement is linked between real life and the game.

EyeGuide ~ MHacks 11 Winner
⇒ A hardware project that acts as an assistant to those with eyesight impairments
⇒ Functionalities include emergency calls, character reading, and object identification.

EDUCATION

University of Waterloo ~ Class of 2025
⇒ Honors Computer Science (BCS)
⇒ GPA: 4.0/4.0