

Kevin Dang

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EDUCATION

Vincent Massey Secondary School

4.0 GPA, Honours with Distinction

Windsor, ON

Sep. 2021 - June. 2025

TECHNICAL SKILLS

Programming Languages: Python, C++

Skills: Arduino, Fusion 360, AutoCAD, CNC machining, 3D printing

Other: Photography, Presentation, Teaching

EXPERIENCE

Design Intern

Oct. 2023 – Present

Vincent Massey FRC 4903

Windsor, ON

- Designed functional parts and mechanisms in AutoCAD and Fusion 360 and implemented them using robotic actuators.
- Manufactured metal and wood parts using CNC machines by creating cutter paths and various other tools.

Hack Club Executive

May. 2024 – Present

Vincent Massey Secondary School

Windsor, ON

- Currently creating engaging lesson plans on mechanics, electronics, and programming.
- Help manage the club overall.

First Lego League Mentor

Mar. 2024 – Present

Glenwood School

Windsor, ON

- Helped manage and set up the FLL program.
- Taught groups of middle school kids about mechanical concepts and lego programming.

PROJECTS

PulseGrip Bionic Arm | *Arduino, C++, Fusion 360, Unity*

Oct. 2024 - Oct. 2024

- * Designed and built a wearable device to assist with grasping objects for paralyzed people.
- * Set up electromyography to detect muscle movements.
- * Implemented a signal processing algorithm for sensor reliability.

AWARDS

Hack The North Finalist

Sep. 2024

- * Designed, built, wired, and programmed a bionic arm as a finalist project.

NASA Space Apps Global Nominee

Oct. 2024

- * Created a seed planter with soil moisture detection to assist with sustainable agriculture.

MasseyHacks Overall First Place

May. 2024

- * Developed a Mars rover with a robotic arm for MasseyHacks X.

MasseyHacks Best Beginner Award

May. 2023

- * Created a website with classic arcade games such as Pong and Breakout using HTML and CSS.