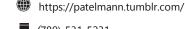
Mann Patel



(780)-531-5231





PROGRAMMING AND SOFTWARE

SKILLS

Programing Languages Software C++ AutoCAD Java Blender Processing Unity iMovie Visual Studio Illustrator MIT App Inventor

- •Great leadership skills and sense of professionalism gained through co-founder role in "Project Cambodia" – a charitable initiative to build schools for underprivileged children in rural Cambodia.
- •Refined ability to problem solve and work under pressure through extensive competitive experience in VEX Robotics tournaments.
- •Creative thinker and team player as seen through distinction in various mathematics and coding contests.
- •High accuracy and attention to detail in work; 99% + accuracy in managing Chemistry Lab database and inventory.

EXPERIENCE

Green Initiative

2016-2017

Head Technician

- •Successfully implemented renewable, clean energy sources to power bottle fillers and a heated greenhouse in school
- •Led one of four action teams in the operation of solar panels to power club ventures
- •Resolved technical problems in the motor, blender, plastic extruder apparatus, 3-D Printer, and audio-visual setup
- •Chosen E-conference delegate in the initiative to revise the Alberta education curriculum

Vex Robotics Team

2015-2017

Lead Programmer

- Designed robot chassis using AutoCAD; placed second in provincial championship
- •Integrated and programmed motors, arms, and other components as per driver preference
- •Programmed the autonomous segment of the competition using RobotC and VEXNet
- •Responsible for critical robot repairs over duration of tournament with limited materials

Coding Club

2015-2017

Student Teacher and Member

- •Taught introductory C++, and Java to students with varying levels of coding experience
- •Created visual animations using the OpenGL Utility Toolkit in C++
- •Directed setup of new equipment: including 3-D Printers, Gaming Laptops, VR Machine, etc.
- •Troubleshot and resolved errors related to the hardware/software aspects of systems



PROJECTS

Executive Event Co-Ordinator: Westwood Student Council: 2016-2017

•Responsible for planning and executing logistics of all school events including (dances, projects, theme weeks, exhibitions). Proposed projects, resolutions, and held voting power in executive budget and planning meetings.

Member: Game Design and Creation Club: 2015-2017

•Used Unity and C# to create animations and a zombie-survival game. Chosen to compete in the Provincial Animation Competition.

President: Colours Multicultural Club: 2015-2017

·Worked to empower and provide students the means to exhibit their unique cultural pride around school. Budgeted, organized, and advertised various events.

Peer Tutor: Westwood Math Leadership Committee: 2015-2017

• Taught students difficult course material in academic classes. Promoted the STEM fields in the student body through interactive events including: Pi-Day Recital Competition, Scavenger Hunts, Math Puzzles, and a stocks and financial information session.



UNIVERSITY OF WATERLOO

BASc Candidate: Electrical Engineering (1A)

Class of 2022 ID: 20718610



- Recipient of Waterloo President Scholarship (2017)
- •AP National Scholar with Distinction (2017)
- Westwood Scholar (2017)
- •VEX Robotics Design and Autonomous Award (2016)
- Beaver Computing Challenge: Distinction (2016)
- •YMCA Peace Medal (2015)

