Sheikh Tahmid

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Skills and Abilities

- Excellent teamwork, leadership and communication skills
- Programming languages: Java, JavaScript, HTML, CSS, Python, C++
- Tools/ Frameworks: Android SDK, JavaFX, Swing, OpenCV, NodeJS
- Experience creating a variety of applications, especially in Java: https://github.com/tahmid0517
- Computer-Aided Design using Autodesk Inventor
- Construction skills, using a mitre saw, bandsaw and various other power tools

Education

University of Waterloo   2018-present

- Honours Computer Science, Co-op

Sir Wilfrid Laurier C.I.   2014-2018

- Received OSSD and International Baccalaureate Diploma, French Certificate of Completion
- Honours every year while enrolled in highest academic program offered at institution

Extracurricular Activities

Robotics Team   2014-2018

- Team captain in grades 11 and 12
- Lead efforts in technical aspects: computer-aided design, programming, construction
- Committed hundreds of hours each semester afterschool on top of rigorous schoolwork
- Contacted local businesses for sponsorship opportunities

Cross-Country Team   2014-2017

- Practiced 3 times a week at 7:30 am

Work Experience

Robotics Instructor at Bot-Camp   2018

- Taught students ages 10-14 how to design, build and program robots using the VEX IQ platform

Robotics Instructor for Toronto District School Board   2017

- Taught students from grades 1 to 5 how to program robots using tablets

Volunteer Experience

FIRST Robotics Canada
2015-2017

- Volunteered at multiple LEGO robotics competitions for students in grades 4-8 and FIRST Robotics Competition events for high school students

Projects

2017 and 2018 FIRST Robotics Competition Robots
2017-2018

- Designed robots using Autodesk Inventor
- Lead fabrication of parts, construction and assembly of robots
- Programmed robots in Java for both teleoperated and autonomous control, implementing advanced concepts such as PID control
- 2018 robot earned the Innovation in Control Award at our first competition of the season held at Durham College
- Qualified for the World Championships both years
- Link to 2018 season recap: https://www.youtube.com/watch?v=G0j4sCxDgBo

Awards and Achievements

- President's Scholarship of Distinction, University of Waterloo   2018
- Principal's Award for Student Leadership, Sir Wilfrid Laurier C.I.   2018