KAVPREET GREWAL

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EDUCATION

University of British Columbia, Computer Science   *2019-Present*
GPA: 92.2 /100
Coursework: Computer Science Fundamentals, Discrete Mathematics

EXPERIENCE

Mentor - Programming Team   **Java, LabView**
L.A. Matheson Robotics   *September 2019 - Present*

- Mentor team of 7 programmers during their participation in the **FIRST Robotics Competition**
- Teach high school students programming fundamentals in Java and LabView
- Teach programming to underprivileged students and students disabilities from schools around the community

Programming Team Lead   **Java, LabView**
L.A. Matheson Robotics   *September 2017 - June 2019*

- Led team of 5 programmers during team's participation in the FIRST Robotics Competitions
- Helped formulate design strategies for autonomous operation of the robot
- Led team during run at the 2019 **FIRST World Championship** in Houston in which we placed **5th** out of nearly 8000 teams worldwide

PROJECTS

OnTrack - Time Tracker   **Dart, Flutter, Firebase**
iOS and Android app   *2020 - Present*

- A time tracking and hours logging app built using Flutter and with user authentication and database support using Firebase
- Allows users to track daily hours towards their weekly, monthly, or yearly goals
- Stores an easily accessible record of logged hours and notifies user about the daily hours needed to reach their set goal

Touchless Webpage Scroller   **JavaScript, TensorFlow**
Browser Extension   *2020 - Present*

- A browser extension built with JavaScript and TensorFlow handtracking which allows users to scroll webpages without touching their device
- Utilizes TensorFlow handtracking to enable users to scroll by simply raising one or both of the hands

SKILLS

Programming	Java, JavaScript, Dart, HTML, CSS
Technologies	Flutter, Firebase, TensorFlow
Soft Skills	Problem-Solving, Leadership, Communication

AWARDS

Governor General's Academic Medal   *2019*
- Received upon graduating with the highest average in graduating class