TANJOT PANESAR

Systems Design Engineering | University of Waterloo

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skills

Experienced with Android Development, C++, Arduino, JavaScript, SQL, HTML5, CSS
Jira, Git, RxJava, Retrofit, Dagger2, MVVM,

experiences

Android Developer
Accedo
Toronto, ON
Sept. 2018- Present

Worked on CTVNews android application in an **agile** environment. Used frameworks: **retrofit**, **dagger 2** and **rxJava** in development. Created app from ground up, improving architecture using **mvvm**.

Software Developer
Ubilab Health Tech
Waterloo, ON
Jan. 2018 - May.2018

Developed **android** app and interfaced with hardware, to track urination, create data-set, and diagnose risks of prostate cancer Usability testing for device and app with 20 clients

Director / Founder
S.T.E.M. Team
Milton, ON
Sept.2015— - Nov.2017

Demonstrated **leadership** by organizing two conferences, four workshops and two spring camps projected towards 150+ youth; gained a revenue of $4600; Taught fundamental programming

projects

Findr
Mobile app + hardware
@DeltaHacks

Created a check-in and search system for crowd control using **android**, **firebase** and **arduino**; Second Place Prize

2018

BluMug
Smart Mug + Caffeine
Tracker Mobile App

Developed an app with interactive dashboard, connected via Bluetooth to mug. Developed algorithms to calculate caffeine levels in human body in **C**.

2017

IoT Camera Gimbal
Stabilizer + web page
controller via internet

Limits vibrations; stabilizes position using gyroscope & motors. Collaborated with colleague to control stabilizer wifi; connected via web-page created in **JavaScript**, **HTML** and **CSS**;

2017

Fit Fish Simulator
Machine learning
simulation

2D visual simulator of genetic learning algorithm created using **JavaScript** and **HTML**. Generates species of fish to locate ones that can survive the longest under scalable circumstances

2017

SelectedVote
Lack of communication
isolved through an app

Established wireframe for an android app used to answer polls and vote. Created in **JavaScript**, **HTML**, and **CSS** (UI/UX)

2016