PHAT TRAN

**B.ASc, 1A Mechatronics Engineering, University of Waterloo**

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**SUMMARY OF QUALIFICATIONS**

**EDUCATION**

✔ Excellent time management skill; able to consistently meet deadlines under high pressure

✔ Learned C# and finished a project using the language in 30 days

✔ Attended every basketball and volleyball team practice for 2 years; demonstrating outstanding commitment

✔ Gained knowledge in AutoCAD and SolidWorks through Engineering Graphics & Design course and workshops

**PROJECTS/ ACTIVITIES**

**EDUCATION**

CODE – A – THON ***(June 2014 – Aug 2015)***

Self-learned JavaScript, Python, C++, HTML and CSS from online resources

SMART BATTERY CHARGER ***(Aug 2015)***

**C#**

**linux**

*… that automatically charges and discharges when laptop’s battery level reaches the threshold*

✔ Designed and assembled the circuit board

✔ Set up and controlled Raspberry Pi running Debian-based OS via SSH

✔ Modified a git project from GitHub to start simple web services and to control the relay



✔ Wrote a WPF application using Visual Studio 2015 to control the Raspberry Pi by sending HTTP requests

**I’m comfortable!**

THEREALBOOKCHALLENGE

Read and documented key notes on 10 non-fiction books in 30 days ***(Aug 2015)***

**EXTRA-CURRICULAR ACTIVITIES**

[](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCMzAvrTJ9McCFYxxPgodBLICDA&url=http://icons.mysitemyway.com/legacy-icon/079873-firey-orange-jelly-icon-business-robot/&bvm=bv.102537793,d.cWw&psig=AFQjCNEG117FvNFIsCbqv8J6wAMQYbLMpA&ust=1442253002698796)Mechanical Associate, ***Robotics Club (Oct 2014 – May 2015)***

grade 10



**Volleyball**

**Team**

grade 11

grade 12



**Basketball**

**Team**

✔ Assembled the pulley system attached to the arm of the robot to pick up bins and totes

✔ Contributed to the improvement of our team ranking from 22nd to 17th out of 42 teams through assisting in upgrading the arms of the robot

http://www.iconsplace.com/download/orange-ping-pong-256.pngPresident, ***Ping-pong Club (Jan 2015 – June 2015)***

✔ Publicized the club, which increased the total number of participants by 16

✔ Organized monthly ping-pong tournaments for up to 20 members

✔ Communicated with club members with regard to changes in session schedule and tournament player pairing

http://www.clker.com/cliparts/e/2/3/7/11949858491812712425information_sign_mo_01.svg.hi.pngPresident, ***Technology Club (Sep 2014 – Oct 2014)***

*Technology Club’s mission was to develop an application to update the school’s digital billboard*

✔ Presented about Technology Club in Clubs Day in front of 500+ students and teachers

✔ Organized members into different teams (i.e. Development, Graphic Design, Content Editing, etc.) and appropriately delegated tasks based on their skills and interests

✔ Coordinated scheduled team meetings to follow up with team progress

[](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRxqFQoTCJ22xOrJ9McCFQJ4PgodjSQJMA&url=https://wilkesbarreymca.wordpress.com/2013/08/21/get-back-on-your-bike-with-y-cycle-sundays-in-september/&bvm=bv.102537793,d.cWw&psig=AFQjCNGvnEJ5v6bQq82eviQl5Gk3rqdWMw&ust=1442253110817994)Senior Bike Builder, ***Bike Club (Sep 2013 – May 2014)***

✔ Built a mountain bike from scratch at Bike Pirates, a nonprofit-DIY organization

✔ Provided help and assembling instruction to junior members

✔ Implemented new suspension system for personal mountain bike

http://www.iconsdb.com/icons/preview/orange/literature-xxl.pngVolunteer, ***Toronto Public Library (Sep 2012 – Mar 2013)***

✔ Designed posters for promoting the library’s events on Saint Patrick’s Day

✔ Initiated Summer Reading Challenge among volunteers