

Pham Trung Viet

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EDUCATION

Singapore University of Technology and Design (SUTD)

May 2018-present

- Bachelor of Engineering
- SUTD Undergraduate Merit Scholarship
- Expected Date of Graduation: August 2021

ACADEMIC PROJECTS

Introduction to Design (SUTD)

Singapore

Interactive game for wearable device, Team leader

October 2018 – December 2018

- Designed an augmented reality game concept for wearable device to encourage player to run more often, worked in a team of 5 members
- The prototype was built with Arduino using various sensors such as accelerometer, touchscreen LCD, RFID sensors and MP3 player.

WORKING EXPERIENCE

LionsBot International Pte Ltd

Singapore

Part Time Engineer

Nov 2018-present

- Program code for primary testing and calibration of different hardware component such as ultra-sonic sensors, stepper motors, light-switch, etc
- Assemble hardware , wiring and carrying out real time test on the robot with each hardware components

Carbon8-Vietnamese branch

Vietnam

Web Development Intern

Jan 2018

- Developed front end components such as UI/UX for website based on templates given by clients
- Coded using HTML, CSS and JavaScript

Institute for Infocomm Research @ A*STAR

Singapore

Work attachment

Dec 2016

- Designed and programmed rehabilitation game for physically impaired patients, along with seniors researchers
- Utilised advanced motion and behaviour sensors such as eye tracker Tobii Eyex, Myo armband and Leap motion in order to create hand-eye coordinate excercises in Unity 3D environment.
- Used basic machine learning tool to classify users' behaviour to determine the accuracy of the users' action.
- Shortlisted and presented the product at Singapore Science and Engineering Fair (SSEF) 2017

EXTERNAL COMPETITION

ROBOCON International Design Contest Robotic Competition

**Japan
August 2018**

- Represented Singapore University of Technology and Design to participate in the international competition which required to build robot to compete against one another
- The robot was built using basic Arduino boards and various components.

Singapore Science and Engineering Fair Competition

**Singapore
March 2017**

- Developed rehabilitation game for physically impaired patient using Unity 3D and C#
- The project was short-listed into the final presentation round

CO-CURRICULAR ACTIVITIES and VOLUNTEER EXPERIENCES

SUTD Boxing Club Vice president

2018-present

- Organized university's inter martial art sparring event
- Planned and led the club's weekly practices

MINDS Towner Gardens School

Jan-May 2017

- Taught children with special needs essential daily activities and concepts and played games with them
- Organised half a day event to teach the children how to make breakfast and play sports with them

ADDITIONAL INFORMATION

- Proficient in 3D printing, Python, Arduino and SolidWorks
- Skilled in Adobe Photoshop
- Fluent in English and Vietnamese
- Love sport and art