TRUNG THANH TRUONG

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EDUCATION

Tufts University   **May 2021**
Bachelor of Science in Computer Engineering. Minor in Computer Science   *GPA 3.89*

RELEVANT COURSEWORK

Data Structure, Machine Structure and Assembly Language, Web programing, Linear Algebra, Differential Equations, Discrete Math, Multivariable Calculus, Electrical Systems, Autonomous Intelligent Robots with ROS

EXPERIENCES

Finsify JSC - MoneyLover - Hanoi, Vietnam, *Software Engineering Intern*   **June 2018 – August 2018**
- Designed and implemented new front-end features for the MoneyLover application using Vue.js
- Maintained Express backend API and Redis sockets

FPT Information System - **Hanoi, Vietnam,** *Software Engineering Intern*   **May – June 2018**
- Designed a Salesforce cloud-based application for the Vietnam Maritime Commercial Bank to provide professional marketing and sales management tools

Jay Pritzker Academy - Siem Reap, Cambodia, *Robotics Instructor*   **July – August 2016**
- Delivered lessons on basic concepts of robotics and engineering at the Jay Pritzker Academy, an institution founded for gifted scholars in impoverished rural areas of Siem Reap

PROJECTS

MoneyLover clone – *Individual summer project*   **June 2018**
- Implemented a clone of a popular money management app using Vue.js frontend, Express and MongoDB backend, and Passport.js for authentication

Tufts Telepresence Turtlebot – *Final project @Autonomous Intelligent Robots*   **May 2018**
- Created a ROS-based telepresence robot that has autonomous maneuvering functionality using AMCL localization, SLAM gmapping, and can be controlled over the Internet using rosbridge WebSockets

IOT House – *Best new-comer project @Tufts Polyhack hackathon*   **October 2017**
- Created a house model that has real-time facial recognition functionalities, and can be controlled over the Internet using an ESP32 board

3D-printed Robotic Blimp – *High school senior project*   **April 2017**
- Designed the user-interface and the 3D-printed frame of an Arduino-based robotic blimp that has face and color tracking ability using OpenCV

Efficient Heating System – *CT State Science Fair, Gilchrist Environmental Fellowship*   **March 2016**
- Proposed a hardware design that increases the efficiency of a custom-made solar-powered air regulator

SKILLS

- Programming languages: C++, C, Java, Python, JavaScript, HTML, CSS
- Web-dev tools: Vue.js, Bootstrap, jQuery, Node.js, Express.js, Feathers.js, Adonis.js, Puppeteer.js, Firebase
- Databases: MongoDB, MySQL, PostgreSQL
- Hardware experience: integrated circuits designing, power system, embedded microcontrollers, 3D-printing
- Fluent in Vietnamese, proficient in Spanish, elementary in Chinese

OTHER ACTIVITIES

Tufts Club Basketball, Tufts Robotics Club, Tufts Vietnamese Student Club, Computer Science Exchange, MakeHarvard Hackathon, Hack@Brown Hackathon, WMFO Radio Station Co-host, Resident Assistant