







Zhixing Zhang

CS Freshman Student

Seeking for summer internship opportunities. Experienced with web, iOS and embedded system.

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Projects

Dec 2017 - Ongoing

TrainK

Train Trip Manager

Collecting data from 12306.cn and provide users with a intuitive report and analysis about their upcoming train journeys.

- History journey data collection and storage
- Train delay forecast and prediction
- Data scraping with Python and Scrapy
- Data storage and management using PostgreSQL
- Data Visualization using SVG and Canvas technology
- Python/Django Backend Development
- Distributed scraping using Celery
- Frontend web application development based on Vue

July 2016 - Aug 2016

VEX Field Controller

A low-cost implementation of VEX Field Controller protocol using 8051 MCUs.

- PCB Designing
- 8051 MCUs and C programming
- Sold to other schools

July 2014 - Aug 2015

begin Diary

iOS application to record every day of your life

Awards

Sept 16, 2018

Hello Tab - Best Overall

Hello World Hackathon | Purdue Hackers

An information hub that shows up whenever you open a new tab in Chrome or Firefox web browser.

- Chrome and Firefox Extension
- Made in 24 hours with a team of 4
- Vue.js, Webpack and Bootstrap
- Live2D technology to implement an interactive anime character
- Used Microsoft APIs to fetch outlook emails

Apr 2016

VEX Robotics World Champion

REC Foundation

- High-precision flywheel speed controlling
- Smart power distribution on multiple motors

Experiences

July 2018 - July 2018

DJI

Summer Intern

Working as a summer intern in DJI Robomaster Summer Camp program to conduct testing on the company's unreleased products by constructing and programming a simple robotic system.

- STM32 MCU Programming with C
- PID and close-loop controlling
- Testing existing Python APIs

July 2014 - Aug 2014

MacX.cn

Software Developer

Independently developing a Mac application using Swift and AppKit, which helps users to download and install applications for Mac computers.

- Swift and AppKit
- Nearly 2 million times of use

Education

Aug 2018 - May 2022

Purdue University

Computer Science, Bachelor of Science

- Member of ACM SigBots; help building PROS(Purdue Robotics Operating System) and okapilib(Robotics Framework)
- 2nd Place in Sandia National Lab Space Blimp Coding Challenge @ Purdue

Skills

- Web Frontend Development
 - HTML CSS JavaScript
- Web Backend Development
 - Django Python Celery Scrapy
- iOS/Mac App Development
 - Swift AppKit UIKit

Language

- English
- Chinese Mandarin