Heng Lu

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SKILLS

JavaScript • Java • JFinal
VUE • MySQL • PostgreSQL
Docker • HTML5 & CSS3
C++ • C • Git • OpenLayers3
Arduino

Technology Training In Progress - Udemy.com

- Learn and Understand NodeJs
- The Python Mega Course
- Machine Learning A-Z

LINKS

Github://github.com/leoluheng
LinkedIn://LeoLuHeng

INTERESTS

- Mini-marathon
- Tennis
- Piano

ACTIVITY

Canadian Chinese Model United Nations Conference - 2017

- Best Chair

G-sect Senior Badminton Tournament - 2017

- School Champion

ME to WE - Volunteer in Tanzania

- Arusha, Tanzania

EDUCATION

UNIVERSITY OF WATERLOO

Bachelor in Software Engineering
2017 Sep - Present
President's Scholarship of Distinction

EXPERIENCE

JAVA DEVELOPER

Guangdong Eastone Century Technology Co., Ltd. - Summer 2018

- Built a information presentation website supporting **interactive map**.
- Integrated **GIS** into **VUE** components for easy access.
- **Led** a development group of three, responsible for **demand analysis**, **selection of technology**, and **API interface design** of the web app.
- Core contributor to **Java** backend Restful APIs using **JFinal (MVC framework)** and frontend **VUE** templates.
- Performed a smooth handover of work arrangement and progress via documentation and effective communication.

PROJECT

VMAIG BLOG SYSTEM REMAKE

Web Development - Summer 2018

- An ongoing project for exploring the design and structure of blog system, inspired by **Vmaig - a blog system based on python and Django**.
- Built a blog system to enrich understanding on **VUE**, web development Backend, and **MySQL** relational database.
- **Heavy JS** frontend, optimization of UX with **AJAX asynchronous requests**.
- Completely original backend using **JFinal - MVC** style backend framework.

MICROWAVE EMPOWERMENT PROJECT - M.E.P.

In-school Project - October - November 2017

- In-school project utilizing Google Cloud Vision API.
- Learned how and integrated Google vision API into the project.
- Authored the **menu display** of the microwave with embedded **clock functionalities**.
- Implemented the **serial communication** between **Arduino** and **Raspberry Pi**.
- Learned **server and communication** basics and how to program with **Arduino Ethernet Shield**.

TRENDCAST - HOT TECHNOLOGY PREDICTOR

A YHack Project - December 2017

- A web app built with React and Python that uses LSTM networks to predict the next trending AI and Blockchain technologies.
- Learnt and immediately applied **Python** to build back end.
- Wrote the backend that processes and transforms large amounts of **web source data** to datasets for **visualization** in the front end.