

Iowa City, IA 52245
<https://github.com/willzhiwang>

Will (Zhi) Wang

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OBJECTIVE

A challenging position in a software-focused organization that offers opportunities to apply my computer science and engineering talent, as well as to explore career development and advancement options.

EDUCATION

The University of Iowa, Iowa City, IA
BSE, Computer Science and Engineering
Focus: Software Engineering

May 2019

WORK EXPERIENCE

Research Assistant

May 2019 – August 2019

University of Iowa, Iowa City, IA

- Developed **PHP** website and created **InfluxDB** Database to assist Chemistry Research Devices
- Use cURL to transfer a large amount of data, and reformat these data to JSON
- Developed Ajax live search engine with **PHP** and **JQuery**

Software Developer Intern

May 2018 – August 2018

Ebean International, Inc, Tacoma, WA

- Participate with a team of engineers and analysts to develop **Ruby** on **Rails** application
- Developed some front-end features on a single page application written in **HTML**, **CSS** and **JavaScript**, which dynamically showcase real-time chart

SOFTWARE PROJECTS

Laravel Blog

May 2019 – Present

- Created a blog using **Laravel** framework with **PHP**, **MySQL**, **Bootstrap** implemented register, login and create/edit/delete post
- Implemented picture uploading in create post and edit post pages

Vanpool Service System

January 2019 – May 2019

- Designed **SQL** Vanpool Service System documents and worked in a group of four people
- Developed a web client using **PHP**, **MySQL**, **HTML**, **JavaScript**, **Bootstrap** that implemented login, register, account settings, searching and booking
- Experience in **SonarQube** to do quality analysis and testing

Database System Project

January 2019 – May 2019

- Designed complex database for a transportation company and developed documentation in a group of five people
- Developed a **SQL** solution, implemented by **MySQL** and tested it on university server
- Assisted developing a **NoSQL** solution in **MongoDB**

Electrical & Computer Engineering Senior Design

January 2019 – May 2019

- Designed and developed a **Python**-based GUI that dynamically charts and displays real-time temperature, humidity, pressure, PM2.5, NO2 and SO2 measurements from a test data stream
- Created Python **AWS DynamoDB** database to store measurements data that can be remotely monitored from a PC

E-commerce Service Coding Competition

August 2018 – October 2018

- Developed a multi-user e-commerce (prototype) service in **Java** and **MySQL**
- Developed a **JavaFX** GUI for users that display photos of items
- Implemented a multi-threaded server/client service to create and update user (buyer/seller) transaction information

SKILLS

- Programming: (proficient): Java, Python, PHP, SQL, Git (familiar): JavaScript, jQuery, React, Node.js, NoSQL, Bootstrap, CSS, HTML, Laravel, Ruby on Rails
- Systems: Windows, Linux/Unix, Mac OS X
- Languages: English and Mandarin