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.

SKILLS

- Programming: C, C++, Java, Junit, Haskell, Python, JavaScript (Angular, React.js), jQuery, AJAX, Node.js, PHP (Laravel), XAMPP, Ruby on Rails, MySQL, MongoDB, Bootstrap, CSS, HTML, VS code, Git, SonarQube
- Systems: Windows, Linux/Unix, Mac OS X
- Languages: English and Mandarin

ENGINEERING COURSE ACTIVITY and PERSONAL 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 page

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

3-Pi Robot Project   January 2017 – May 2017
- Engineered an autonomous robot with **C++** to explore a maze map and maneuver to the proper room by scanning bar codes

WORK EXPERIENCE

Software Developer Intern   May 2018 – August 2018
Ebean International, Inc, Tacoma, WA
- Participate with a team of engineers and analysts to develop software solution
- Developed some front-end features on a single page application written in **HTML**, **CSS** and **JavaScript**, which dynamically showcase real-time chart
- Assisted developing module for online registration using **Ruby** on **Rails** based frameworks

EDUCATION

The University of Iowa, Iowa City, IA   May 2019
BSE, Computer Science and Engineering
Focus: Software Engineering