

Kevin Dong

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Availability: 4 months

SUMMARY OF QUALIFICATIONS

- Outstanding knowledge in **data structures & algorithms** and their implementations in **Java**
- Experienced in front-end development using **JavaScript, TypeScript, HTML, CSS** and modern frameworks / libraries including **ReactJS** and **GatsbyJS**
- Working knowledge in back-end development using **Python**, and **PHP** with **Laravel**
- Skilled in hardware designs involving **Arduino** and **Raspberry Pi**
- Proficient in data processing and data analysis using **SQL** with **MySQL**
- Proven ability to work collaboratively with diverse groups using strong communication skills

PROJECTS

Nixie Tube Clock

Feb. 2019 – May. 2019

- Designed and built an electronic clock consisting with Nixie tubes controlled by an Arduino UNO
- Created full, detailed reports to express the design of choice and the performance analysis
- Engineered with both software and hardware components to make the final product

Personal Website & Blog

Jan. 2019 – Mar. 2019

- Constructed self-introductory websites using GatsbyJS and published them on custom domains
- Personalized its interfaces with pleasing design and swift responsiveness
- Optimized its adaptability on all kinds of platforms using CSS and JavaScript skills

WeChat Read Plugin

Mar. 2019 – Apr. 2019

- Developed a web-based word-processing application for the app *WeChat Read* using Java with Vaadin.
- Using optimized data structures to efficiently process massive amount of character and organize the product using sorting algorithms

Automated Plant Watering System

Apr. 2019 – Present

- Created a water dispensing system using C++, Arduino and other electrical modules such as moisture sensor, thermometer and water pumps.
- Wrote programs to monitor and control the plant's growth remotely via mobile devices.

EXPERIENCES

Junior Developer, *big river technologies Inc.*

Jan. 2019 – May. 2019

- Developed and modified webpages involving Laravel, VueJS, PHP and JavaScript
- Designed and managed back-end database schema using MySQL
- Optimized the algorithm for graph processing using my knowledge in data structures and drafted the corresponding internal documentations, update logs and coding standards for the project
- Proposed business letters for the clients and held meeting sessions to discuss over the progress
- Familiarized with the agile and BDD workflow, the CI/CD engineering practices, as well as monitoring the product from the DevOps's perspective.

Game Making Contest

Apr. 2018

- Developed a video game using GameMaker Studio 2 that allows players to control the character through a keyboard or a PlayStation controller and designed multiple assets and scenarios using Photoshop
- Wrote a 11-paged background information to further increases the depth of the game, while giving the player a better gaming experience

First Violin

Sept. 2013 – May. 2018

- Participated in more than 20 symphonic concerts in five years

EDUCATION

University of Waterloo: Honours Electrical Engineering, Co-operative Program