TERRY WANG

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Skills

Languages

JavaScript, HTML5, CSS3, C++, C, Scala, Swift

Frameworks

Node.js, Express.js, React, React Native, Mocha, Bootstrap 4, jQuery

Databases

MongoDB, Cosmos DB, MySQL

Other

Git, Linux, MacOS, Windows

Education

University of Waterloo

Bachelor of Computer Science

Sep 2016 – Jun 2021

Relevant courses

Object-Oriented Software Development, Foundations of Sequential Programs, Operating Systems

Experience

Software Product Prototyper Co-Op

Deloitte

Kitchener ON, Canada   Jan 2018 – Apr 2018

- Built a scraper for USPTO public patent data with NPM package Request and Cheerio
- Using NLP to find patterns and similarities in patents that are held by competing companies

Software Developer Co-Op

Finastra

Toronto ON, Canada   May 2018 – Aug 2018

- Worked in an agile software development environment to develop, and update platform modules with JavaScript
- Created a Yeoman generator with package selection for quick microservice scaffolding
- Developed a logging module with NPM package Bunyan and RxJS
- Implemented an Express middleware to validate incoming requests with NPM package AJV and JSON Schema
- Built a messaging agent with the ability to send a single or a batch of messages synchronously

Software Developer Co-Op

China Mobile Group Design Institute Co., Ltd.

Beijing, China   May 2017 – Aug 2017

- Implemented "quick sort" to sort user location data by coordinates for analyzing user behaviors
- Created a C program that divided Baidu Map into a matrix of coordinates to represent collected data
- Optimized internal website by implementing responsive features for mobile devices

Projects

AutonomousWardrobe

github.com/wtyanan/AutonomousWardrobe/

- A Web App that scans and saves user uploaded clothing pictures to give them suggestions based on color combination and weather conditions
- Used IBM Watson Visual Recognition API to determine the type of the clothing from the picture
- Created a simple neural network for suggesting color combination based on RGB value with NPM Package brain.js
- Built with Express.js as back-end, MongoDB as database, Handlebars.js as template engine, and Bootstrap 4 for front-end

Mr.Schedule

github.com/wtyanan/Mr.Schedule

- A WeChat Miniprogram (embedded in WeChat) provides students a simple timetable to input their courses and view it as a daily schedule
- Developed with HTML, CSS, and JavaScript, implemented input for course information, edit function, and display function
- Currently has more than 2200 total users, and an average 15 – 20 active users per day