Junjie Yang

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EDUCATION

McGill University   Montreal, QC
Bachelor of Arts Major in Computer Science   *Aug. 2018 – May 2022*

EXPERIENCE

Software Engineering Intern   May 2020 – August 2020
JD.COM   *Beijing, China*
- Perform Integration Test before and after a release of JDH-SaaS, JDH-ERP
- Developed a wechat mini-program with taro.js

PROJECTS

PetShelter | *Spring-Boot, React, Spring-Data-JPA, MySQL, Gradle, CircleCI, Docker, Git*   Jan 2020 – Present
- A full-stack web application aims to help a pet shelter to look for people to adopt homelss pets.
- Implemented by using with Spring-boot serving a REST API with React as the frontend
- Implemented Login, Registration, Adoption, Donation functionalities
- Uses Git for version control, Gradle for dependency management, CircleCI for Continuous Integration, and Docker to deploy on web server.
- Github repo: Pet Shelter

Music App | *React.js, React Hooks, Electron, Recoil, Ant Design, Docker*   May 2020 – Present
- A web application for listening the music
- Data gathered from publicly available APIs from Github
- Uses Git for version control, NPM.js for dependency management, CircleCI for Continuous Integration, Docker to deploy on web server, electron.js for converting it to a desktop app.
- Github repo: Music App

Simple User-Level Thread Scheduler (SimpleUT) | *C*   Sept 2020 – Oct 2020
- A course project involves developing a simple many-to-many user-level threading library with simple first-come-first-serve(FCFS) thread scheduler in C. It consists of two executors, which are kernel-level threads that run the user-level threads. One executor is dedicated to running compute tasks and the other executor is dedicated for input-output tasks.
- Github repo: SimpleUT

EventRegistration | *SpringBoot, Gradle, Hibernate, PostgreSQL, Vue.js, JUnit, Git*   Mar 2020 – Apr 2020
- An event registration app helps for customers to register for an event
- Based on the principle of Test Driven Development, use Junit 5 as the test framework for Backend, and Jest as the test framework for Frontend.
- Github repo: EventRegistration-App

TutorPlatform | *Django, Vue.js, CircleCI, Git*   Feb 2020 – Apr 2020
- An online market project based on Test Driven Development. Use Django Framework for Backend implementation and Vue.js for Frontend implementation.
- Responsible for the Backend parts. Has implemented features like user authorization, product creation, and shopping cart creation. Also, implements a real time chat room by using Redis and Websocket.
- Responsible for all the implementations of Backend tests.
- Github repo: Tutor Platform

MultiLabelMNIST | *Google Colab, Tensorflow, Scikit-learn*   Nov 2020 – Dec 2020
- A Multi-label Classification of Image Data, in specific, we train model use modified MNIST dataset
- Implement a deep neural network model, achieved 99% accuracy in test dataset

Volunteers

International Buddy Program | *International Buddy* Sept 2019 – Present
- Pair with new admitted students of the university, offer them helps related to the language and culture
- Helps new students to get familiar with the campus.

Computer Task Force | *Backend Developer* Sept 2019 – Mar 2020
- Holding office hour for 2 hours a week, helps other students to solve their computer related questions.
- Use Django Framework to help other student/professor to implement their website.

Computer Science Undergraduate Society | *Help Desk* Sept 2019 – Mar 2020
- Holding office hour for 2 hours a week, responsible for answering concerns from students in freshman/second year with their computer science major related questions.

Technical Skills

Programming Languages: Java, Python, C,C++, OCaml, JavaScript
Frameworks: React, Node.js, Django, JUnit, Spring-boot, Nest.js, Vue.js, Hibernate
Languages: Chinese(Native), English(Proficient)