






Yuzhe (Stanley) Cao

stanleytsau.me

 
 contact@stanleytsau.me
 @dodaydream
 @stanleycao

Education

May 2023 - Aug 2024 London, ON, Canada	Fanshawe College Mobile Application Development (Co-op) <i>(Co-op term starts in May 2024)</i> GPA 4.16/4.2 Java · JavaScript · PWA · Android · iOS · UI/UX · Firebase · Mobile Application Security
Aug 2017 - Jun 2021 Macao SAR	Macao Polytechnic University Bachelor of Science in Computing <i>(Enterprise Information System Specialization)</i> Final Year Project: Deep Learning Models on Stock Market Prediction Java · Project Management · Design Pattern · Operating System · Data Structure and Algorithm · Internet Communication


Employment

Feb 2022 - Mar 2023 Macao	HUB Information Service Co., Ltd. Senior Software Engineer <ul style="list-style-type: none">• Communicate with clients to understand their needs and provide technical solutions to meet their requirements• Developed and promoted a new framework for the team based on Laravel, Inertia.js and Vue.js. The framework was adopted by the team for future development work• Developed a hybrid migration solution using PHP scripting with embedded SQL statements to transfer data dating back to 2006 from a legacy system in dBase to MySQL.• Developed a customizable website development stack using Nuxt.js, Tailwind CSS, and Strapi, resulting in faster development than Joomla and SP Page Builder Pro, and greater flexibility for meeting client needs.
Jul 2021 - Feb 2022 Remote	HUB Information Service Co., Ltd. Software Engineer <ul style="list-style-type: none">• Setup Open Journal System (OJS), Moodle for clients, and provide technical support• Developed a full-text search engine using Laravel, Elasticsearch, and Apache Tika, using Redis as queue for background processing. Indexed approximately 100GB of PDF documents.

Technical Strength

Programming Language	Expert in PHP and JavaScript , excellent in Java , Swift and Kotlin , familiar with C++ and Python , has knowledge on TypeScript
DevOps	Proficient in Docker Container deployment, familiar with Linux (mostly Ubuntu) and GitHub Actions , knows about Amazon AWS
Database	Proficient in MySQL , SQLite , familiar with Elasticsearch , and Redis
Framework	Expert in Laravel and Vue.js , also in Inertia.js , Nuxt.js , and, Tailwind CSS , excellent in Codelgniter , React and React Native , familiar with Spring Boot
Tools	Expert in Composer , Yarn , excellent in Git , have previous experience on Jira and Confluence , familiar with Gradle
Stack	Experienced in Web application development, API development, Android native application development, iOS native application development and React Native application development
Other	Have a basic understanding of machine learning , know the basis of data visualization , have experience on Open Journal System (OJS) , Moodle , Joomla and WordPress .

Project Experience

- Jan 2022 - Mar 2023 **Judoka - IT Solution for Judo Competitions**  *In association with: HUB Information Service Co., Ltd.*
Full Stack Developer
- Led the rewrite from CodeIgniter to Laravel and Inertia.js, resulting in a more modern and efficient web application; Created an Electron.js application to display real-time ongoing and upcoming match rosters.
 - Developed a CI/CD pipeline for continuous integration with deployment using Docker and Docker Compose, and implemented a GitHub Action to automatically publish the latest image to the repository
 - Provided technical support during several judo competitions to ensure the system ran smoothly and accurately. Collaborated with event staff and IT team members to troubleshoot issues, resulting in successful judo competitions.
- PHP · JavaScript · Laravel · Inertia.js · Vue.js · Electron.js · Docker · AWS · GitHub Actions
- May 2019 - Aug 2020 **Building Management System** *In association with: BBT Student Association in SCUT*
Full Stack Developer
- Rebuilt the existing system from scratch, and use MySQL as a replacement for MS Access
 - Use Laravel and Vue.js for progressive web development, and provide an intuitive interface to users
 - Built a high performance fixed-header and virtual scrolling table to display large datasets
- PHP · JavaScript · Laravel · Vue.js · MS Access

Activities and Certificates

- Sept 2017 - Nov 2017 French I: An extra-curriculum course provided by Alliance Française Macao
Macao

Volunteer Work

- Jan 2020
Kuala Lumpur, Malaysia **YMCA Kuala Lumpur, Centro de Estudantes do Ensino Superior**
Oversea volunteer training - outstanding volunteer motivation program
- Oct 2018 - Jan 2021
Macao **Centro de Estudantes do Ensino Superior**
Volunteer (Publicity and Promotion Group)

Publication

- Oct 2023 **Model Optimization for Stock Market Prediction using Multiple Labelling Techniques**
2022 IEEE 13th International Conference on Software Engineering and Service Science (ICSESS 2022)