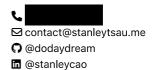
# Yuzhe (Stanley) Cao

stanleytsau.me



### Education

May 2023 - Aug 2024 London, ON, Canada **Fanshawe College** 

Mobile Application Development (Co-op) (Co-op term starts in May 2024)

GPA 4.16/4.2

 ${\sf Java \cdot Java Script \cdot PWA \cdot And roid \cdot iOS \cdot UI/UX \cdot Firebase \cdot Mobile \ Application \ Security}$ 

Aug 2017 - Jun 2021 Macao SAR Macao Polytechnic University

Bachelor of Science in Computing (Enterprise Information System Specialization)

Final Year Project: Deep Learning Models on Stock Market Prediction

## **Employment**

Feb 2022 - Mar 2023

**HUB Information Service Co., Ltd.** 

Macao

Senior Software Engineer

- 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

- 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

 $\ \, \text{development, iOS native } \, \text{application development and } \, \textbf{React Native} \, \, \text{application development}$ 

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 [2] In association with: HUB Information Service Co., Ltd. Full Stack Developer

- · Led the rewrite from Codelgniter 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
- 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 Macao

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

#### Volunteer Work

Jan 2020 Kuala Lumper, Malaysia

YMCA Kuala Lumper, 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)