**Curriculum Vitae**

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**Personal Information**

English name: Steve

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E-mail: [p1908326@ipm.edu.mo](mailto:p1908326@ipm.edu.mo)

[me@aspires.cc](mailto:me@aspires.cc)

Gender: Male

Nationality: People Republic of China

Date of birth: Jan 12, 2001

**Education**

Aug 2019 – Present Second-year student in Bachelor of Science in Computing

School of Public Administration

Macao Polytechnic Institute

Macao SAR, China

(Overall GPA 3.78, Scholarships)

Sep 2013 – Jun 2019 High School Certificated

North East Yucai Bilingual School

Liaoning, China

**Professional Experience**

Nov 2017 **Awarded on 2018 National Olympiad in Informatics by CCF**

Second Price in China

Nov 2018 **Awarded on 2019 National Olympiad in Informatics by CCF**

Second Price in China

First Price in Liaoning Province

Mar 2020 **WereWolf Game Developing**

I have used Python with socket programming to build a WereWolf Game in bash console, with designing a brand new gameplay, socket programming and **C-S structure** were adopted in this Project.

Jun 2020 **Running and maintaining personal website** [www.aspires.cc](http://www.aspires.cc)

**Wordpress** with **Docker** are the technic stack I used to build it, some technical article are posted in scope of **Algorithms, IoT, Data Science, Operating System.**

June 2020 **Intern on Langchao Computer Software Inc.**

Participated in upgrading and maintaining Java Enterprise Software of Road Traffic management system

June 2020 **Awarded on Tesla Machine Learning Competition**

Ranking 8 out of 67 in China

Aug 2020 **Minimal Web Framework**

I have developed a Minimal Web Framework from a scratch using Python, it has applied a **HTML templating programming** and **MVC** structure.

Feb 2021 **Participated in HKDL Data Science Lab**

I have participated as a member of Hong Kong Data Lab, presented several Projects in **Data Science**.

Feb 2021 **Scraping Baidu Searching Index**

I have developed a Baidu Searching Index Scraping Program, aimed to scraping data in a Public Opinion Analysis System, in this project I analyzed Baidu Searching Index web returned json data and analyses **Javascript** to **decrypt** the encryption json data, used **matplotlib** to visualize the data.

Mar 2021 **ETF Price Prediction based on LSTM Model**

Using LSTM Model from Keras to train ETF history price, deploying it using Flask to server. With getting the data from **RapidAPI**, analyzing 180 days price data from history and use the latest 5 days to predict next trading day's ETF price, in use of **Flask, BootStrap, Jinja2, Keras** LSTM Model to make a 50-70% accuracy prediction

Apr 2021 **Distributed Python Package (colorfulconsole) to PyPI**

I have developed a python package which supporting rich text output for bash console, it is published in PyPI, this project encapsulated **console control character**.

**Technical Skills and Competences**

4 years algorithms experience with **C** and **C++**, 2 years experience of **Data Analyzing** and Developing with **Python**, Experienced in **Linux** and **Website Developing**, Experienced in working with **Virtual Environment** of Python and **Docker** **Virtualization**, Familiar with Relational DBMS **MySQL**, **PostgreSQL** and **Oracle**, Knows about **J2EE**, **assembly language** and **Operating System**, Knows about **Computer Networking**, **Unity3D** Developing, **Arduino**, **Raspberry PI** Developing, **Block Chain** and **Ethereum Programming**.

* Programming Languages: C, C++, Java, Python, Wolfram.
* Tools: vim, git, docker-cli, LaTeX, anaconda, django, flask, pandas, numpy, beautifulsoup4, streamlit, matplotlib, tensorflow.

**Languages**

* English (clearly in reading, writing, speaking and listening)
* Mandarin (mother tongue)
* Cantonese (clearly in listening)

**Personal Interests**

Music, Vlog, Aerial photography, Algorithms

**References**

Dr. Xu Yang

Lecturer

Computing Programme

School of Public Administration

Macao Polytechnic Institute

Macao SAR, China

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