Sum Wan, FU

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https://github.com/fusumwan

With over three years of specialized experience in Java, Spring MVC, Spring Boot, and Hibernate, complemented by six years of proficiency in ASP.NET WebForm C# 2.0/3.5, I am a seasoned Full-Stack Developer. My expertise extends to using React JS and Vue JS for front-end development, where I focus on creating cohesive and dynamic user interfaces. As a graduate in Computer Science from the University of Adelaide, my academic background has fostered a profound interest in Artificial Intelligence and Machine Learning. This interest is driven by a commitment to leverage technology for societal advancement. My approach to development is characterized by a combination of enthusiasm, adaptability, and creativity, allowing me to devise and implement robust technological solutions that align with organizational goals. I am particularly adept at integrating Machine Learning techniques with streamlined web applications, optimizing them for maximum utility and efficiency. My ultimate goal is to contribute meaningful, innovative solutions that resonate with both the company's objectives and the broader technological landscape.

EDUCATION

University Of Adelaide	**Bachelor of Computer Sciences (Honours)** I graduated in Jan-2022 with an Honours Degree of Bachelor Computer Science with Second Class Division A Honours (GPA 5.825) Address: Adelaide SA 5005, Australia
University Of Adelaide	**Bachelor of Mathematical and Computer Sciences (Major : Artificial Intelligence)** I graduated in Dec-2020 Address: Adelaide SA 5005, Australia

> **Core Courses:**
>
> **Statistical Analysis and Modelling**
>
> Delved into fundamental principles of widely-used statistical methods including hypothesis testing, confidence intervals, inference for proportions and means, and linear regression.
> Artificial Intelligence
>
> Explored the applications and use cases of AI, familiarizing myself

University of Adelaide **IELTS**	with critical AI concepts such as machine learning. Mining Big Data Acquired essential data science skills to enhance decision-making processes. **Algorithm Design and Data Structures** Examined the efficiency of various data structures and algorithms in relation to distinct challenges and types of issues. **Algorithm & Data Structure Analysis** Engaged in program development using C++ techniques, emphasizing the foundational concepts of correctness and proof.

Pre-enrolment English Program
Aug-2017 to Feb-2018

Feb-2018: Level 6

Coventry University

Bachelor of Science with Honours in Computing
I graduated with first class honours in 2015

Oversea Studying at VTC Shape (School for Higher and Professional Education)

Address: Room 012, G/F, Academic Block, 30 Shing Tai Road, Chai Wan, Hong Kong

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Notes:
Given my extensive experience in web programming, I pursued the final year of a Bachelor of Science with Honours in Computing.

Core Courses:

Rapid Application Development

Proficient in agile project management, coding, and risk management, with a specific focus on the scrum methodology.
Mobile Applications Development

Gained hands-on experience in designing and developing various mobile applications, including server-side architecture.

Coventry University

Bachelor of Science with Honours in Creative Technologies
I graduated with upper second class honours in 2008.

Oversea Studying at VTC PEAK (Institute of Professional Education and Knowledge).

Address: 27 Wood Rd, Wan Chai, Hong Kong

Notes:
Upon completing the Professional Diploma in Game Development (ITS87), VTC Peak recognized my qualifications and granted me admission to the final year of their game degree program.

Main Courses:
Games and AI
I am highly skilled in AI of Game, MMORPG, C++ / C# game programming.

Interactive Pervasive Computing
I recognize that advancements in communication technology have granted users almost limitless bandwidth, accessible anytime and anywhere. This blend of abundant computational resources and widespread network access has given rise to the era of pervasive computing.

VTC PEAK

Website: https://www.peak.edu.hk

Professional Diploma in Game Development ITS87

Studying at VTC PEAK (Institute of Professional Education and Knowledge)

Address: 27 Wood Rd, Wan Chai, Hong Kong

Notes:
Having successfully completed the foundation diploma, the diploma in IT Expert, and the diploma in graphic design, VTC PEAK recognized my qualifications and extended an offer for me to join the Professional Diploma in Game Development ITS87 program.

Main Courses:
MMORPG,C++,J2ME,3D programming, 2D programming.
I successfully passed all the 3d and 2d game project courses with using java, javascript, C# and C++ language.

2005 - 2005, Passed in EIAEC MMORPG Programming Development
2005 - 2005, Passed in EIAEC 3D Programming Development
2005 - 2005, Passed in EIAEC 2D Programming Development
2005 - 2005, Passed in EIAEC C++ Programming Development
2005 - 2005, Passed in EIAEC J2ME Programming Development

WELKIN

Diploma in Graphic Design

Address: 3/F, Righteous Centre, 585 Nathan Road, Mongkok, Kowloon, Hong Kong

Main Courses: Photoshop
I possess significant expertise in crafting web design graphics with Photoshop.

UNISOFT

Diploma in IT Expert

Address: 12 Tak Hing St, Jordan, Hong Kong

Awards:
1. **Plan and Build an e-corporation (Intel)**
2. **Overview of Solaris 8 For Users (Sun Microsystem)**

I studied computer networks using Cisco router and switch.
Analyzing computer networks with Wireshark.

Hong Kong Computer Institute

Foundation Diploma in Computing

I studied in Hong Kong Computer Institute which was established in 1981 to provide higher education in Business and Information Technology. It stopped operation.

Address: 1/F., Wah Hing Commercial Centre 383 Shanghai Street, Yau Ma Tei, Hong Kong.

Main Courses:
1. Information Technology Fundamental (D)
2. Relational Database and Programming (P)
3. Introduction to Hypertext and Hypermedia (D)
4. Information System In Organizations (D)
5. Communication Skills for Computing (C)
6. Data Structure and Algorithm Analysis (D)
7. Mathematics and Statistic for Computing (HD)

Secondary School

1998 - 1999

Secondary 6:
NT HEUNG YEE KUK SOUTHERN DISTRICT SECONDARY SCHOOL

1998
Secondary 4 - 5:
KING LING COLLEGE (English College)

HKCEE

Hong Kong Certificate of Education Examination (1998)
Mathematics(C)

	Additional Mathematics(D) **Biology(D)** **Physics(D)** **Chemistry(E)** **English(F)** **Chinese(F)**
Secondary School	**1993 – 1996** **Secondary 1 - 3, Grace Foundation Secondary School**

EMPLOYMENT HISTORY

Automated Systems (HK) Limited (May-2013 up to May-2016)	**Position: Analyst Programmer** Key Responsibilities: 1. Develop web-service functionalities using Java for PDAs, specifically targeting the Windows Mobile 6.5 platform using C#. 2. Design, develop, and maintain Java web applications, with a focus on cache servers operating on the Red Hat OS. 3. Engage in programming tasks using a diverse set of technologies and languages including Java, Spring MVC/Boot, Hibernate, ASP.NET, MSSQL 2005, ORACLE, JQuery, JavaScript, HTML5, XML, CSS, and JSON.
ICLP (Oct-2012 up to Jan-2013)	**Position: Analyst Programmer** Key Responsibilities: 1. Maintaining the CTF CRM system. 2. Maintaining the e-card reader system. 3. Developed a new XML Financial report system for CHOW TAI FOOK, has to cater to validation and maintain a list of finance rules with the standard implementation of rules. 4. Web programming with ASP.NET webform C# 2.0, MSSQL 2005/2008, Jquery, JAVASCRIPT, Ajax. Json, CSS.
Classroom (June-2012 up to Sep-2012)	**Position: Analyst Programmer** Key Responsibilities: 1. Independently designed and launched a new online Math homework platform. 2. Engaged in web development using technologies such as ASP.NET WebForm C# (versions 2.0 and 3.5), MSSQL, JQuery, JavaScript, Ajax, and JSON.
Telelink (HR Company) (Dec-2008 up to June- 2012)	**Position: Programmer** Key Responsibilities: 1. Worked onsite at PCCW, focusing on the design interplay between business logic (covering validation and business rules) and the corresponding physical models. 2. Developed a user control library that supports data binding, offering an abstract model tailored for UI developers. 3. Implemented an N-tier architecture that features N-level undo capabilities. 4. Spearheaded and managed large technical projects. 5. Designed FTP tools for uploading and systems for email exports. 6. Mastered the capability to implement validation, curate and adhere to business rules, and enforce these with established standards. Further integrated authorization rules at both object and property levels. 7. Conducted web development using technologies such as ASP.NET WebForm C# 2.0, MSSQL, ORACLE, JQuery,

JavaScript, Ajax, HTML5, JSON, and XML.

TIM EDPlatform Ltd
(Mar-2006 up to April-2007)

Position: Programmer
Key Responsibilities:
1. Independently developed web applications using ASP.NET WebForm 2.0 C#.
2. Engaged in web application development using PHP3, working both independently and collaboratively with teams.
3. Managed Windows server and client projects with autonomy.
4. Programmed web services and web user controls.
5. Remotely accessed client Linux OS for web application maintenance.
6. Utilized a range of technologies for web programming, including ASP.NET WebForm C# 2.0, MSSQL, PHP3 (integrated with our company's framework), MYSQL, JavaScript, and Ajax.

Bechelon Consulting
(Oct 2005 to Nov 2006)

Position: Junior Web Designer
Key Responsibilities:
1. Designed interfaces for web and web applications.
2. Collaboratively developed web applications using ASP.NET WebForm C# 2.0.
3. Engaged in web programming using PHP3, MYSQL, and JavaScript.

SKILLS SUMMARY

With over 9 years of comprehensive experience, I offer a robust blend of technical and software expertise.

Software Proficiency:

Eclipse:3 years
MSSQL 2005: 9 years
Windows XP & Windows 7
Oracle SQL Developer: 3 years
Microsoft Office: 9 years
Adobe Photoshop CS: 1 year
Visual Studio 2008: 9 years

Programming Expertise:

Java : 3 years
Spring boot : 3 years
Hibernate : 3 years
ASP.NET WebForm C# 2.0: 6 years
Oracle: 3 years
MSSQL: 6 years
MYSQL: 6 years
CSS: 9 years
JavaScript: 9 years
HTML: 9 years
HTML5: 1 year
Windows Mobile 6.5: 3 years
WinForm: 1 year
JQuery: 6 years
Winsock Program: 1 year
Java: 3 years
Linux Command: 3 years
Oracle: 3 years
C++: 1 year
Matlab: 2 years
R Programming: 1 year
Python: 1 year
React JS: 1 year
Vue JS: 1 year

AWARDS

I have been awarded several certificates from the Ministry of Industry and Information Technology of the Chinese government in Hong Kong.

ACHIEVEMENTS

Automated Systems (HK) Limited
(May-2013 up to May-2016)

Position: Analyst Programmer
Achievements:
Developed a PIDS-PDA application with domain-driven design (DDD) architecture to implement in Hong Kong Department Of Health, the PDA is using a windows mobile 6.5 platform.

Java web applications design, development & maintenance.

ICLP
(Oct-2012 up to Jan-2013)

Position: Analyst Programmer
Achievements:
Developed a new JHC CRM survey system with independent work.

Classroom
(June-2012 up to Sep-2012)

Position: Analyst Programmer
Achievements:
Developed a new online math homework system with independent work.

Telelink
(Dec-2008 up to June- 2012)

Position: Programmer
Achievements:
Developed a web application/RIA with ASP.NET C# for the department of PCCW mobile sales with independent work.

TIM EDPlatform Ltd
(Mar-2006 up to April-2007)

Position: Programmer
Achievements:
Developed C# window application with server-client side design for the library system.

PROFESSIONAL MEMBERSHIPS

University of Adelaide Computer Club
University of Adelaide Mathematics Society

EXTRA-CURRICULAR ACTIVITIES

Outside of study, I like to stay at home on weekdays, but on weekends, I usually likes to go for a run.

INTERESTS

I am quite interested in making some videos on Youtube and discussing everything with others in forums.

SHOWCASE

For a glimpse of my capabilities, I invite you to view a showcase from my tenure as an Analyst Programmer:

https://www.youtube.com/playlist?list=PLCGUIZTAlaI5woaDr5Ik860T4pNHeap0t