# Shum Wai Lun, Alan

#### Full Stack Web Developer

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#### **Summary**

All-rounded IT professional with 15+ years of experience. Focused on web development with PHP, MySQL, HTML, CSS, JavaScript. Worked on the entire development life cycle of projects: from requirements gathering, solution analysis, UI designing, coding, testing, deploying to maintenance phase, on web applications including CMS, workflow systems, online learning platforms, etc. Sound knowledge with web technologies, performance, usability and security considerations. Hands-on experience and knowledge with server and network configuration and management.

#### Tech Stack

Windows Server	JavaScript	Shell script	Wordpress
Linux RHEL	SQL	Bootstrap	Codelgniter
MacOS	XML	Semantic UI	Git
PHP	VB	SCSS	DataTables
HTML	ASP	jQuery	FPDF
CSS	Java	Drupal	

## **Experience**

LKS Faculty of Medicine, The University of Hong Kong 2017 > Current Information Technology Officer

Responsible for web systems development, from collecting user requirements, project analysis to determine system design, and develop systems for the business needs and schedule.

- Designed and created multiple web applications serving all faculty users (1000+), including but not limited to customized forms handling and workflow systems, pdf report generation systems, etc. Delivered new systems and solutions under tight schedules.
- Managed the virtual learning environment of the faculty, including Moodle, Open edX, LAMS and assessment question banks.
- Maintained a departmental website and a self-service web forms platform built with WordPress.
- Reduced the report generation time from 10+ minutes to less than 1 minute of a system, by analyzing and refactoring SQL queries, database structure and code base.
- Created and maintained multiple SQL databases. Managed backups and queries for the databases. Produced statistical reports on data and logs collected.
- Awarded "Professional Services Team Award 2017 Top 5 Finalists" by the university.

The Chinese University of Hong Kong (CUHK) 2005 > 2017

Department of Mathematics, CUHK 2012 > 2017 Assistant Computer Officer

- Developed the departmental website using Drupal and Bootstrap framework, working with project owner and supervising student helpers for front end design.
- Created multiple web applications and websites for various purposes, including seminars and international conferences websites, online registration web app incorporating payment gateway, course teaching web applications, etc.
- Managed the computing facilities of the department, including a computing laboratory with capacity of 60 persons and provided technical advices for over 50 staff and 40 research students.
- Managed web servers, file & print servers, networking equipment to serve the whole department.
- Provided end users' technical support, computer setup and maintenance; Troubleshooted IT related issues and incident followup; Provided recommendations and acquistion support of hardware and software to departmental users.

Office of Educational Services, Faculty of Medicine, CUHK 2008 > 2012 Assistant Computer Officer

- Enhanced and maintained a medical students question bank system supporting a number of medical schools in the world.
- Maintained an online assessment system for the faculty.
- Created and maintained applications including logbook for medical interns, events management and inventory control.
- Managed application servers to provide services to the faculty users.

Institute of Chinese Medicine, CUHK 2005 > 2008

Computer Technician

- Managed the computing facilities of the department for over 50 staff, providing technical support to end users, troubleshooting issues and acquisition support.
- Administered server and departmental network.
- Designed and created the website of the department.

#### **≥** Education

2008

City University of Hong Kong 2011

Oxford Brookes University

Hong Kong Institute of Vocational Education 2004

MSc in Information Systems Management

Credit

BSc in Computing and Information Systems

Second Upper Class Honours

Higher Diploma in Internet Computing & Applications

Credit

### Reprofessional Qualification

2009 ITIL (IT Infrastructure Library) V3 Foundation

# Languages

Proficient in English and Chinese (including Cantonese & Mandarin)

## Reference

Available upon request